

PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo sapiens
US-09-907-613-189

Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 585.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
Dbs: 10 Gaps: 0

US-09-864-711-14 (1-585) x US-09-907-613-189 (1-2917)

QY	1	MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla	20
DB	1030	ATGGCGGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCCTAGGGGGTGGCAATATGGCA	1089
QY	21	GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpIle	40
DB	1090	GAGACCCACAAAGCCATGATCTGCAACTCAATCCAGTGAGAACTGCACCTGGACAAATA	1149
QY	41	GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAspProAsp	60
DB	1150	GAAGACCCAGAAAACAAAGACATCAGAATATCTTTCTATGTCCAGCTTGATCCAGAT	1209
QY	61	GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu	80
DB	1210	GGAACTGTGAAGTGAAGAAACATTAAGCTTTGACGGAACTCCAGCAATGGGCTCTG	1269
QY	81	LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr	100
DB	1270	CTAGGGCAAGTCTGCAGTAAACACACTATCTCTCTGTTATTTGAATCATCATCCAGTACA	1329
QY	101	LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr	120
DB	1330	TTGAGCTTTCAAATAGTACTGACTCAGCAAGAAATCAAGAACTGCTTTTGCTTCTAC	1389
QY	121	TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu	140
DB	1390	TACTTCTTCT	1449
QY	141	GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTrp	160
DB	1450	GGATCCCTTCCAGCCCAATATACCAAGCCGATCTGAGCTGGCTTATTTGTGTGG	1509
QY	161	HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu	180
DB	1510	CACATACAAAGTGGAGAAAGATACAAAGATAAACTAACTTCAAGAGATTTTCTTAGAA	1569
QY	181	IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer	200
DB	1570	ATAGCAACAAAGTGCATATTTCTTCCATCTATATGATGGCCCTCCACCAACTCT	1629
QY	201	GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer	220
DB	1630	GGCCTGATGGACAAAGTCTGTGGCCGTGTGACTCCCACTTCGATCGTCAATCAACTCT	1689
QY	221	LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr	240
DB	1690	CTGACTGT	1749
QY	241	ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet	260
DB	1750	ACCTCAATTTATGCGAAACATCAACTACACTTAACTTAACTTAACTTAACTTAACTTAA	1809
QY	261	ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln	280

RESULT 12

US-09-907-942-189

; Sequence 189, Application US/0907942

; Publication NO. US20030027146A1

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

DB	1810	ACAGTTATTATAAGCAAAATCTCTACCTAGAGGCTTTTAACTCTAATGGGAATAAATTGCAA	1869
QY	281	LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu	300
DB	1870	CTAAAAGACCCAACTTGCAGACCAAAATATCAATGTTGGAAATTTTCTGCTCCTCT	1929
QY	301	AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle	320
DB	1930	AATGGATGTGTACAAATCAGAAAGGTAGAGATCAGTCAATTAATCTACCAATATAATC	1989
QY	321	ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGluIleIle	340
DB	1990	ACCTTTTCTGCATCTCAACTCTGAGTGAATCAACCCCTCAGAAACAACTCCAGATTAT	2049
QY	341	ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp	360
DB	2050	GTGAAGTGTGAATGGGACATAATTTACAGTGGAGATAATATACATAACAGAAAGATGAT	2109
QY	361	ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer	380
DB	2110	GTAAATACAAAGTCAAAATGCACTGGGCAAAATATACACACAGCATGGCTCTTTTGAATCC	2169
QY	381	AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu	400
DB	2170	AATTCATTTGAAAGACATATCTTGAATCACAATATATATGATGGATTGGAACCAACTCT	2229
QY	401	PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys	420
DB	2230	TTTGTTCAGTGTAGTCTGCACACCTCAGATCAAAATTTGGTGGTGTCTTCTGATACCTG	2289
QY	421	ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys	440
DB	2290	AGAGCTCTCCCACTCTGACTTTTGCATCTCACTACGACCTAATCAAGATGGATGT	2349
QY	441	SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe	460
DB	2350	AGTCGAGATGAACCTGTGAAGTGTATCCCTTATTTGGACACTATGGAGATTCCAGTTT	2409
QY	461	AsnAlaPheLysPheLeuArgSerMetSerValTyrLeuGlnCysLysValLeuIle	480
DB	2410	AATGCTTTTAAATCTTGAGAGATATGAGCTCTGTGTATCTGCACTGAAGTTTGTGATA	2469
QY	481	CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg	500
DB	2470	TGTGATAGCAGTGCACCACTGCTGCTCAATCAAGTGTGTCTCCAGAAACAAACGA	2529
QY	501	AspIleSerSerTyrLysTrpLysThrAspSerIleIleGlyProIleArgLeuLysArg	520
DB	2530	GACATTTCTTATTAATGGAACAGATTCATATAGGACCCATTCGCTGCTGAAAGG	2589
QY	521	AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro	540
DB	2590	GATCGAAGTGCAGTGGCAATTCAGGATTTTCAGCATGAACACACATCGGAAGAACTCCA	2649
QY	541	AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal	560
DB	2650	AACCAAGCTTTCAACAGTGTGATCTGTCTTCTTCATGGTCTAGCTCTGAAATGGGTG	2709
QY	561	ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln	580
DB	2710	ACTGTAGCGACAAATCAGTGGGCAATTTCTTAATCAACGGGCGAGACTACAAATACCAG	2769
QY	581	LysLeuGlnAsnTyr	585
DB	2770	AAGCTGCAGAACTAT	2784

APPLICANT: Botstein, David	Best Local Similarity: 100.00%	Mismatches: 0
APPLICANT: Desnoyers, Luc	Query Match: 100.00%	Indels: 0
APPLICANT: Eaton, Dan L.	DB: 10	Gaps: 0
APPLICANT: Ferrara, Napoleone	US-09-864-711-14 (1-585) x US-09-907-942-189 (1-2917)	
APPLICANT: Filvaroff, Ellen	QY 1 MetalagluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetala 20	
APPLICANT: Fong, Sherman	DB 1030 ATGGCGGAGCTGAAGGCAATGCAAGCTGCACAGTCAGTCTAGGGGGTGCCTATATGCA 1089	
APPLICANT: Gao, Wei-Qiang	QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTyrThrIle 40	
APPLICANT: Gerber, Hanspeter	DB 1090 GAGACCCCAAGCCATGATCTCTGCACTCAATCCAGTGAGACTGCACTGACCAATA 1149	
APPLICANT: Gerritsen, Mary E.	QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAspProAsp 60	
APPLICANT: Goddard, A.	DB 1150 GAAAGACCAAGAAACCAAAAGCATCAGAAATATCTTTCTATGTCAGCTTGCATCCAGAT 1209	
APPLICANT: Godowski, Paul J.	QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80	
APPLICANT: Grimaldi, Christopher J.	DB 1210 GGAAGCTGGAAGTGAAGAAACATTAAGTCTTTGACGGAACCTCCAGCAATGGGCTCTG 1269	
APPLICANT: Gurney, Austin L.	QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100	
APPLICANT: Hillan, Kenneth, J.	DB 1270 CTAGGCGAAGCTGTCAGTAAACGACATGTCTCTGTTATTTGAATCATCATCCAGTACA 1329	
APPLICANT: Kijavin, Ivar J.	QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120	
APPLICANT: Mathar, Jennie P.	DB 1330 TTGACGTTTCAAAATAGTTACTGACTCAGCAAGAAATTCAAAGAACTGTCTTTGTCTTCTAC 1389	
APPLICANT: Pan, James	QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140	
APPLICANT: Paoni, Nicholas F.	DB 1390 TACTTCTCTCTCTAAACATCTCTATTCAAACTGTGGCGGTACTTGGATACCTTGGAA 1449	
APPLICANT: Roy, Margaret Ann	QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr 160	
APPLICANT: Stewart, Timothy A.	DB 1450 GGATCTTTACCAGCCCAATTTACCCAAAGCGCATCTCTGAGCTGGCTTATTGTGTGG 1509	
APPLICANT: Tumas, Daniel	QY 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180	
APPLICANT: Williams, P. Mickey	DB 1510 CACATCAAGTGGAGAAAGATTACAGATAAACTTCAAGAGATTTCCTAGAA 1569	
APPLICANT: Wood, William, I.	QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200	
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic	DB 1570 ATAGACAAACAGTCAAAATTTGATTTCTTGCCATCTATGATGCGCCCTCCACCACTCT 1629	
FILE REFERENCE: 10466-14	QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220	
CURRENT APPLICATION NUMBER: US/09/907,942	DB 1630 GGCCTGATGGACAAAGTCTGTGGCGGTGACTCCCACTTCGAATCGTCATCAACTCT 1689	
PRIOR FILING DATE: 2002-01-22	QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240	
PRIOR APPLICATION NUMBER: PCT/US00/04414	DB 1690 CTGACTGTGCTGTGCTTACAGATTATGCCAATTTCTTACCGGGGATTTCTGCTCTCTAC 1749	
PRIOR FILING DATE: 2000-02-22	QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260	
PRIOR APPLICATION NUMBER: US 60/143,048	DB 1750 ACCTCAATTTATGCAGAAACATCAACACTACATCTTTAACTTCTCTCTGACAGATG 1809	
PRIOR FILING DATE: 1999-07-07	QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280	
PRIOR APPLICATION NUMBER: US 60/145,698	DB 1810 AGAGTTATTATAAGCAATCTTACCTAGAGGCTTTTAACTCTAATGGGAATTAACCTGCAA 1869	
PRIOR FILING DATE: 1999-07-26	QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300	
PRIOR APPLICATION NUMBER: US 60/146,222	DB 1870 CTAAAGACCCCAACTTGCAGACCAAAATTTATCAAAATGTTGTGGAATTTCTGCTCTCTT 1929	
PRIOR FILING DATE: 1999-07-28	QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320	
PRIOR APPLICATION NUMBER: PCT/US99/20594	DB 1930 AATGGATGTGTACATCAGAAAGGTAGAGATCAGTCAATTTACTTACCAATATTAATC 1989	
PRIOR FILING DATE: 1999-09-08	QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340	
PRIOR APPLICATION NUMBER: PCT/US99/20944	DB 1990 ACCTTTTCTGCATCCTCAACTTCTGAGTGTATCCCGTGCAGAAACCACTCCAGATTATT 2049	
PRIOR FILING DATE: 1999-09-13		
PRIOR APPLICATION NUMBER: PCT/US99/21090		
PRIOR FILING DATE: 1999-09-15		
PRIOR APPLICATION NUMBER: PCT/US99/21547		
PRIOR FILING DATE: 1999-09-15		
PRIOR APPLICATION NUMBER: PCT/US99/23089		
PRIOR FILING DATE: 1999-10-05		
PRIOR APPLICATION NUMBER: PCT/US99/28214		
PRIOR FILING DATE: 1999-11-29		
PRIOR APPLICATION NUMBER: PCT/US99/28313		
PRIOR FILING DATE: 1999-11-30		
PRIOR APPLICATION NUMBER: PCT/US99/28564		
PRIOR FILING DATE: 1999-12-02		
PRIOR APPLICATION NUMBER: PCT/US99/28565		
PRIOR FILING DATE: 1999-12-02		
PRIOR APPLICATION NUMBER: PCT/US99/30095		
PRIOR FILING DATE: 1999-12-16		
PRIOR APPLICATION NUMBER: PCT/US99/30911		
PRIOR FILING DATE: 1999-12-20		
PRIOR APPLICATION NUMBER: PCT/US99/30999		
PRIOR FILING DATE: 1999-12-20		
PRIOR APPLICATION NUMBER: PCT/US00/00219		
PRIOR FILING DATE: 2000-01-05		
NUMBER OF SEQ ID NOS: 423		
SEQ ID NO 189		
LENGTH: 2917		
TYPE: DNA		
ORGANISM: Homo sapiens		
US-09-907-942-189		
Alignment Scores:		
Pred. No.: 0	Length: 2917	
Score: 585.00	Matches: 585	
Percent Similarity: 100.00%	Conservative: 0	

Qy 341 Vallycyscluwetgylhisasnserthrvalglullelletyrllethrlethrghuaspasp 360
Db 2050 GTGAAGTGTAAATGGACATAATCTACAGTGGAGATAATATACATAACAGAGATGAT 2109
Qy 361 ValileglnserglnasnalaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db 2110 GTRATACAAAGTCAAAATGACCTGGGCAAAATATAACACAGCATGCTCTTTTGAATCC 2169
Qy 381 AsnSerPheclulysrhrilleLeuGluSerProTyrTyrValAspLeuasnGlnThrLeu 400
Db 2170 AATTCATTTGAAAGACTATACCTGATCAATCACTATATATGAGATTGAACCAACTCTT 2229
Qy 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
Db 2230 TTGTTCACGTAGTGTGCACACCTCAGATCCAAATTTGGTGTGTCTTGTATACCTGT 2289
Qy 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuileylsSerGlyCys 440
Db 2290 AGAGCCTCTCCACCTCTGACTTGTGATCTCCAACTAGACCTAATCAAGAGTGGATGT 2349
Qy 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
Db 2350 AGTCGATGAACCTTGTAGGTGTATCCCTTATTTGGACACTATGGAGATTCAGATT 2409
Qy 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeulle 480
Db 2410 AATGCCCTTAAATCTTGAAGATGATGAGTCTGTGTATCTGCAGTGTAAAGTTTTGATA 2469
Qy 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGAGTGCACACCAAGTCTCGCTGCAATCAAGTGTGTCTCCAGAGCAACGA 2529
Qy 501 AspLeSerSerTyrLysTrpLysThrAspSerIleleGlyProleArgLeuLysArg 520
Db 2530 GACATTTCTTCATATAAATGAAACAGATTCATCATAGGACCCATTCGTCTGAAAGG 2589
Qy 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
Db 2590 GATCGAAGTGCAGTGCAGTTCAGGATTCAGATGAAACATGCGGAGGAACTCCA 2649
Qy 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACCAGCCTTCAACAGTGTGATCTGTTTCTTCATGCTTAGCTCTGAATGTGGTG 2709
Qy 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGTAGCGCAATCAAGTGGAGCATTTTGTAAATCAACGGGAGACTACAATAACCCAG 2769
Qy 581 LysLeuGlnAsnTyr 585
Db 2770 AAGCTGCAGAACTAT 2784

RESULT 13
US-09-904-859-189
; Sequence 189, Application US/09904859
; Publication No. US20030036060A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Askkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: KJavain, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas P.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,859
; CURRENT FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-904-859-189

Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 585.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-864-711-14 (1-585) x US-09-904-859-189 (1-2917)

Qy 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyAlaAsnMetAla 20
Db 1030 ATGGCGGAGGCTGAAGCAATGCACGTCACTAGTCTAGGGGGTGGCAATATGGCA 1089
Qy 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40

Db 1090 GAGACCAAGGACATGCTCCGACACTCAATCCAGTGAGAACTGCACCTGGCAATA 1149
 Qy 41 GluArgProGluAsnLysSerIleArgIlePheSerTyrValGlnLeuAspProAsp 60
 Db 1150 GAAGACCAAGGACCAAGGACCAAGGACCAAGGACCAAGGACCAAGGACCAAGG 1209
 Qy 61 GlySerCysGluSerGluAsnLysValPheAspGlyThrSerSerAsnGlyProLeu 80
 Db 1210 GGAAGCTGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 1269
 Qy 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
 Db 1270 CTAGGGCAAGTCTGCAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1329
 Qy 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPhe 120
 Db 1330 TTGACGGTTCAAAATAGTACTGACTGACCAAGGAACTCAAAAGAACTGCTTTGTCTT 1389
 Qy 121 TyrPhePheSerProAsnIleSerIleProAsnGlyGlyTyrLeuAspThrLeuGlu 140
 Db 1390 TACTTCTTCTCTCAATCTCTTATCCAACTGTGGCGGTTACCTGGATACCTTGGAA 1449
 Qy 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTrp 160
 Db 1450 GGATCCCTTACCAGCCCAATTACCAGCCCAATTACCAGCCCAATTACCAGCCCA 1509
 Qy 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPhelLysGluLeuPheLeu 180
 Db 1510 CACATCAAGTGGGAGAAAGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAG 1569
 Qy 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
 Db 1570 ATAGACAAACAGTGCATTTGATTTCTGGCATCTATGATGGCCCTCCACCACTCT 1629
 Qy 201 GlyLeuIleGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
 Db 1630 GGCTGTATGGACAAAGTCTGTGGCGGTGACTCCCACTTCCAAATCGTCAAAACTCT 1689
 Qy 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
 Db 1690 CTGACTGTGTGTGTCTCAGATTAAGCAATTTACCGGGGATTTCTGTCTCTTAC 1749
 Qy 241 ThrSerIleTyrAlaGluAsnLysAsnThrThrSerLeuThrCysSerSerAspArgMet 260
 Db 1750 ACCTCAATTTATGAGAAACATCAACACTACATCTTTAACTTCTCTTCTCTGACAGATG 1809
 Qy 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
 Db 1810 AGAGTTATTAAGCAATCTTACCTAGAGCTTTTAACTCTAATGGGAATACTTGCAA 1869
 Qy 281 LeuLysAspProThrCysA:gpToLysLeuSerAsnValValGluPheSerValProLeu 300
 Db 1870 CTAAAGACCAACTTGCAGACCAAAATATCAAAATGTTGTGAAATTTCTGTCCCTCT 1929
 Qy 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrThrAsnIleIle 320
 Db 1930 AATGGATGTGTCAATCAGAAAGGTAGAAGTCAAGTCAATTAATTAATTAATTAATTA 1989
 Qy 321 ThrPheSerAlaSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
 Db 1990 ACCTTTCTGCATCTCTCACTCTGAGTGTATCACCCTGAGAAACACTCCAGATTAAT 2049
 Qy 341 VallysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
 Db 2050 GTGAAGTGTGAATGGGACATAATTTACAGTGGAGATAATATACATAACAGAAAGTAT 2109
 Qy 361 VallieGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
 Db 2110 GTATACAAAGTCAAAATGCACTGGGCAATATTAACACAGCATGGCTCTTTTGAATCC 2169
 Qy 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400

Db 2170 AATTCATTGAAAGACTATACCTTGAATCACCATATATATGATTTGAACCAACTCTT 2229
 Qy 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
 Db 2230 TTTGTCAAGTTAGTCTGACACCTCAGATCCAAATTTGGTGTGTCTTGTATACCTGT 2289
 Qy 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
 Db 2290 AGACCTCTCCACCTCTGACTTTGCACTTCCAACTTACACCTTACAGATTCAGATG 2349
 Qy 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
 Db 2350 AGTCGAGATGAACCTTGAAGTGTATCCCTTATTTGGACACTATGGAGATTCAGTTT 2409
 Qy 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
 Db 2410 AATCCCTTTAAATCTTGAAGATGATGCTCTGTGTATCTGCAGTGTAAAGTTTGTATA 2469
 Qy 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
 Db 2470 TGTGTAGTGTGACCACTGCTGCTGCAATCAAGTGTGTCTCTCCAGAACCAACGA 2529
 Qy 501 AspIleSerSerTyrLysThrLysThrAspSerIleIleGlyProfileArgLeuLysArg 520
 Db 2530 GACATTTCTTCAATAAATGAAACAGATTCATCATAGACCCCATTCGTCTGAAAAGG 2589
 Qy 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
 Db 2590 GATCGAGTGTGAGTGGCAATTCAGGATTCAGATTAACATGAAACACATCGGGAAGAACTCCA 2649
 Qy 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
 Db 2650 AACGAGCTTTCAACAGTGTGCTCTGTTTCTTCAATGTTCTAGCTCTGATTTGGTG 2709
 Qy 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
 Db 2710 ACTGTAGCAGCAATTCAGTGTGAGCAATTTGTAAATCAACGGGAGACTACAAATACCA 2769
 Qy 581 LysLeuGlnAsnTyr 585
 Db 2770 AAGCTGCAGAACTAT 2784

RESULT 14

US-09-909-204-189

; Sequence 189, Application US/09909204

; Publication No. US20030036061A1

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth, J.
 ; APPLICANT: Kijavini, Ivar J.
 ; APPLICANT: Mather, Jennie P.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Acids Encoding the Same

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FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/909/204
CURRENT FILING DATE: 2001-07-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo sapiens
US-09-909-204-189

Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 585.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: Gaps: 0

US-09-864-711-14 (1-585) x US-09-909-204-189 (1-2917)

QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
Db 1030 ATGGCGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCAGTGGGGGTGCCAATATGGCA 1089
QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
Db 1090 GAGACCCACAAAGCCATGATCCTGCAACTCAATCCCAGTGAGAACTGCACCTGGACATA 1149
QY 41 GluArgProGluAsnLysSerIleAtrGileIlePheSerTyrValGlnLeuAspProAsp 60
Db 1150 GAAAGACCAAGAAACAAAGCATCAGAAATATCTTTTCCTATGTCACAGTTGATCCAGAT 1209
QY 61 GlySerCysGluSerGluAsnIleLysValPheaspGlyThrSerSerAsnGlyProLeu 80
Db 1210 GGAAGCTGTGAAGGTGAACATTAAGTCTTTGACGGAACCTCCAGCATGGGCGCTCTG 1269
QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100

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QY 461 AsnAlaPheLysPheLeuArgSerMetSerValTyrLeuGlnCysLysValLeuile 480
 Db 2410 AATGCTTTAAATTTCTTGAGAGATATGAGCTCTGTGTATCTGCAAGTAAAGTTTGATA 2469
 QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
 Db 2470 TGTGATAGAGTGACCAACAGTCTGCTGCAATCAAGTTGTGTCTCAGAGCAAGCA 2529
 QY 501 AspIleSerSerTyrLysTrpLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
 Db 2530 GACATTTCTTCATATAAATGGAACAGATTCATCATAGGACCATTCGTCGAAAGG 2589
 QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluLutPro 540
 Db 2590 GATCGAAGTGAAGTGCAATTCAGATTTACGATGAACACATCGCGAAGAACTCCA 2649
 QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
 Db 2650 AACGAGCTTTCAACAGTGTGCATCTGTTTCTTCATGTTCTAGCTCTGAATGTGGTG 2709
 QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
 Db 2710 ACTGTAGCAGCAATCACAGTGGGCAATTTGTAATCAACGGCGAGACTACAAATACCA 2769
 QY 581 LysLeuGlnAsnTyr 585
 Db 2770 AAGTCGCAACTAT 2784

RESULT 15

US-09-904-820-189
 ; Sequence 189, Application US/09904820
 ; Publication No. US20030036094A1

GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth, J.
 ; APPLICANT: Kijav, Ivar J.
 ; APPLICANT: Mather, Jennie P.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; FILE REFERENCE: 10466-14
 ; CURRENT FILING DATE: US/09/904,820
 ; PRIOR APPLICATION NUMBER: 09/665,350
 ; PRIOR FILING DATE: 2000-09-18
 ; PRIOR APPLICATION NUMBER: PCT/US00/04414
 ; PRIOR FILING DATE: 2000-02-22
 ; PRIOR APPLICATION NUMBER: US 60/143,048
 ; PRIOR FILING DATE: 1999-07-07
 ; PRIOR APPLICATION NUMBER: US 60/145,698
 ; PRIOR FILING DATE: 1999-07-26
 ; PRIOR APPLICATION NUMBER: US 60/146,222

Alignment Scores:

Pred. No.: 0 Length: 2917
 Score: 585.00 Matches: 585
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 10 Gaps: 0

US-09-864-711-14 (1-585) x US-09-904-820-189 (1-2917)

QY 1 MetalAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyValAsnMetAla 20
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 Db 1150 GAAGACCCAGAAACAAAGCATCAGATATATCTTTCTATGTCCAGTTGATCCAGAT 1209
 QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
 Db 1210 GGAAGCTGTGAAGTGAAGCAATTAAGTCTTTGACGGAACCTCCAGCAATGGGCTCTG 1269
 QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
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 QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
 Db 1330 TTGACGTTTCAATAGTTACTGACTCAGCAAGAAATTCAGAAAGTCTTTTGTCTTCTAC 1389
 QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
 Db 1390 TACTTCTCTCTCCCTAAACATCTCTATTCCAAACTGTGGGGTACCTGGATACCTTGAA 1449
 QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr 160

Db 1450 GGAATCTTCAACAGCCCAATACCAAGCGCATCTGAGCTGGCTTATTTGTGTGG 1509
QY 161 HisIleGlnValGluLeuAspTyrIleValLeuAsnPheLysGluIlePheLeuGlu 180
Db 1510 CACATACAGTGGAGAAAGATTACAGATAAACTTAACTTCAAGAGATTCTCTAGAA 1569
QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
Db 1570 ATAGACAAACAGTGCATAATTTGATTTCTTGCCATCTATGATGGCCCTCCACCACTCT 1629
QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerAsnSer 220
Db 1630 GGCCTGATTGGCAAGTCTGTGGCGTGTGACTCCACCTTCGAATCGTCAAACTCT 1689
QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
Db 1690 CTGACTGTCTGTGTCTACAGATTATGCCAATCTTACCGGGGATTCTTCTCTCTTAC 1749
QY 241 ThrSerIleTyrAlaGluAsnIleLeuThrThrSerLeuThrCysSerSerAspArgMet 260
Db 1750 ACCTCAATTTATGCGAAACATCAACACTACATCTTTAACTTGTCTTCTGACAGGATG 1809
QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln 280
Db 1810 AGAGTTATTATAGCAATCTTACCTAGAGGCTTTTAACTTAATGGGAATTAATTGCAA 1869
QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
Db 1870 CTAAAGACCCAACTTGCAGACCAAAATTTATCAATGTTGTGGAATTTCTGTCCCTCTT 1929
QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
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QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
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Db 2170 AATTCAATTTGAAAGACTATCTTGAATCACCATATATGTGGATTTGAACCAACTCTT 2229
QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
Db 2230 TTTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGTGTCTTCTTGATACCTGT 2289
QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
Db 2290 AGAGCCTCTCCACCTCTGACTTTGCATCTCCAACCTCAGACCTAATCAAGAGTGGATGT 2349
QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
Db 2350 AGTCGAGATGAACCTTTGAGGTGTATCCCTTATTTGGACACTATGGGAGATCCAGTTT 2409
QY 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
Db 2410 AATGCCTTTAAATCTTGAAGATATGAGTCTGTGTATCTGTGATCTGCAGTGAAGTTTGATA 2469
QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCAGTACCACAGTCTCGCTGCAATCAGGTGTGTCTCCAGAAAGCAACGA 2529
QY 501 AspIleSerSerTyrLysThrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520

Db 2530 GACATTTCTTCATATAAATGCAAAACAGATTCCATCATAGGACCCATTCTGTGAAAAGG 2589
QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
Db 2590 GATCGAAGTGCAGTGGCAATTCAGATTTTCAGATGAACAACATGCGAAGAACTCCA 2649
QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACCAACCTTTCAACAGTGTGCATCTGTTTCTTCTCATGGTTCTAGCTCTGAATGTGTG 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGTAGCACAATTCAGTGGAGCATTTTGTAAATCAACGCGCAGACTACAAATACCAG 2769
QY 581 LysLeuGlnAsnTyr 585
Db 2770 AAGCTGCAGAACTAT 2784

Search completed: February 19, 2004, 00:30:21
Job time : 650.196 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 18, 2004, 13:29:41 : Search time 22.9821 Seconds
(without alignments)
1314.116 Million cell updates/sec

Title: US-09-864-711-14
Perfect score: 3664
Sequence: 1 MAEAGNASTVSLGGANMA.....TVRHFNQADYKYLQNY 585

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.*
1: /cgn2_6/ptodata/2/iaa/5A COMB.pap.*
2: /cgn2_6/ptodata/2/iaa/5B COMB.pap.*
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5: /cgn2_6/ptodata/2/iaa/PCTUS COMB.pap.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	3064	100.0	607	4	Sequence 190, App
3	3064	100.0	607	4	Sequence 190, App
4	842	27.5	1290	1	US-09-902-775A-190
5	837	27.3	1785	4	US-08-470-350B-2
6	470.5	15.4	666	4	US-09-341-587-3
7	297.5	9.7	3623	4	US-09-341-587-1
8	293	9.6	1013	2	US-09-341-461-2
9	293	9.6	1013	2	US-08-866-650-3
10	293	9.6	1013	3	US-09-021-287-3
11	289	9.4	713	1	US-09-240-473-3
12	289	9.4	713	1	US-08-453-472-6
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19	288	9.4	591	4	US-09-432-473-4
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27	282	9.2	415	4	US-09-907-794A-104

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Sequence 9, Appli
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Sequence 43, Appli

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32 279.5 9.1 401 2 US-08-839-008-5
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35 279.5 9.1 468 4 US-08-802-633-8
36 279 9.1 415 3 US-09-032-523-2
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38 273.5 8.9 788 1 US-08-572-225-1
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40 272 8.9 730 3 US-08-872-757-2
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42 266.5 8.7 745 1 US-08-453-472-5
43 266.5 8.7 745 1 US-08-038-948-9
44 266.5 8.7 745 1 US-08-453-952-5
45 266.5 8.7 745 2 US-08-484-993B-43

ALIGNMENTS

RESULT 1
US-09-907-794A-190
; Sequence 190, Application US/09907794A
; Patent No. 6635468

GENERAL INFORMATION:

APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907,794A
PRIOR FILING DATE: 2001-07-17
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US95/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547

;; PRIOR FILING DATE: 1999-09-15
;; PRIOR APPLICATION NUMBER: PCT/US99/23089
;; PRIOR FILING DATE: 1999-10-05
;; PRIOR APPLICATION NUMBER: PCT/US99/28214
;; PRIOR FILING DATE: 1999-11-29
;; PRIOR APPLICATION NUMBER: PCT/US99/28313
;; PRIOR FILING DATE: 1999-11-30
;; PRIOR APPLICATION NUMBER: PCT/US99/28564
;; PRIOR FILING DATE: 1999-12-02
;; PRIOR APPLICATION NUMBER: PCT/US99/28565
;; PRIOR FILING DATE: 1999-12-02
;; PRIOR APPLICATION NUMBER: PCT/US99/30095
;; PRIOR FILING DATE: 1999-12-16
;; PRIOR APPLICATION NUMBER: PCT/US99/30911
;; PRIOR FILING DATE: 1999-12-20
;; PRIOR APPLICATION NUMBER: PCT/US99/30999
;; PRIOR FILING DATE: 1999-12-20
;; PRIOR APPLICATION NUMBER: PCT/US00/00219
;; PRIOR FILING DATE: 2000-01-05
;; NUMBER OF SEQ ID NOS: 423
;; SEQ ID NO 190
;; LENGTH: 607
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-907-794A-190

Query Match 100.0%; Score 3064; DB 4; Length 607;
Best Local Similarity 100.0%; Pred. No. 1.2e-289;
Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 83 GSCSENIKVDGTSNGPLGQVCSKNDYVPVFESSSTLTFTQIVTDSARIQRTVFVY 142
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Qy 181 IDKCKDFDLAIYDGPSTNSGLIGQVGRVPTPESSNSLTTLVLTSDYANSYRGFSASY 240
Db 203 IDKCKDFDLAIYDGPSTNSGLIGQVGRVPTPESSNSLTTLVLTSDYANSYRGFSASY 262
Qy 241 TSIYAENINTTSLCSDRMVVIISKYLEAFNGNGLQKDPCTCRPKLSNVVFSVPL 300
Db 263 TSIYAENINTTSLCSDRMVVIISKYLEAFNGNGLQKDPCTCRPKLSNVVFSVPL 322
Qy 301 NGCGTIRKVEDQSIITYNIIIFSSASTSEVITROKQLIIVKCEMGNSTVEIIYITEDD 360
Db 323 NGCGTIRKVEDQSIITYNIIIFSSASTSEVITROKQLIIVKCEMGNSTVEIIYITEDD 382
Qy 361 VIQSONALGKNTSMALPESNFKTILESPYYVDLNLQTLFVQVSLHTSDPNLVFLDTC 420
Db 383 VIQSONALGKNTSMALPESNFKTILESPYYVDLNLQTLFVQVSLHTSDPNLVFLDTC 442
Qy 421 RASPTSDFASTPYDLIKSCGSRDETCVYPLFGHVGRFQFNARFKFLSMSSVYLCKVLI 480
Db 443 RASPTSDFASTPYDLIKSCGSRDETCVYPLFGHVGRFQFNARFKFLSMSSVYLCKVLI 502
Qy 481 CDSDSHQSRQCGVSRSKRDISYKWKTDIIIGFIRLKRDRSASGNSGFQHETHAETP 540
Db 503 CDSDSHQSRQCGVSRSKRDISYKWKTDIIIGFIRLKRDRSASGNSGFQHETHAETP 562
Qy 541 NOPFNSVHLFSPWALNVAIVTIVHFNQADYKYLQNY 585
Db 563 NOPFNSVHLFSPWALNVAIVTIVHFNQADYKYLQNY 607

RESULT 2
US-09-905-125A-190

;; Sequence 190, Application US/09905125A
;; Patent No. 6664376
;; GENERAL INFORMATION:
;; APPLICANT: Genentech, Inc.
;; APPLICANT: Ashkenazi, Avi
;; APPLICANT: Botstein, David
;; APPLICANT: Deenoyers, Luc
;; APPLICANT: Eaton, Dan L.
;; APPLICANT: Ferrara, Napoleone
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Fong, Sherman
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerber, Hanspeter
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, A.
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Grimaldi, Christopher J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Hillan, Kenneth, J.
;; APPLICANT: Kljavin, Ivar J.
;; APPLICANT: Mather, Jennie P.
;; APPLICANT: Pan, James
;; APPLICANT: Paoni, Nicholas P.
;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William, I.
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: 10466-14
;; CURRENT APPLICATION NUMBER: US/09/905,125A
;; PRIOR FILING DATE: 2001-07-12
;; PRIOR APPLICATION NUMBER: PCT/US00/04414
;; PRIOR FILING DATE: 2000-02-22
;; PRIOR APPLICATION NUMBER: US 60/143,048
;; PRIOR FILING DATE: 1999-07-07
;; PRIOR APPLICATION NUMBER: US 60/145,698
;; PRIOR FILING DATE: 1999-07-26
;; PRIOR APPLICATION NUMBER: US 60/146,222
;; PRIOR FILING DATE: 1999-07-28
;; PRIOR APPLICATION NUMBER: PCT/US99/20594
;; PRIOR FILING DATE: 1999-09-08
;; PRIOR APPLICATION NUMBER: PCT/US99/20944
;; PRIOR FILING DATE: 1999-09-13
;; PRIOR APPLICATION NUMBER: PCT/US99/21090
;; PRIOR FILING DATE: 1999-09-15
;; PRIOR APPLICATION NUMBER: PCT/US99/21547
;; PRIOR FILING DATE: 1999-09-15
;; PRIOR APPLICATION NUMBER: PCT/US99/23089
;; PRIOR FILING DATE: 1999-10-05
;; PRIOR APPLICATION NUMBER: PCT/US99/28214
;; PRIOR FILING DATE: 1999-11-29
;; PRIOR APPLICATION NUMBER: PCT/US99/28313
;; PRIOR FILING DATE: 1999-11-30
;; PRIOR APPLICATION NUMBER: PCT/US99/28564
;; PRIOR FILING DATE: 1999-12-02
;; PRIOR APPLICATION NUMBER: PCT/US99/28565
;; PRIOR FILING DATE: 1999-12-02
;; PRIOR APPLICATION NUMBER: PCT/US99/30095
;; PRIOR FILING DATE: 1999-12-16
;; PRIOR APPLICATION NUMBER: PCT/US99/30911
;; PRIOR FILING DATE: 1999-12-20
;; PRIOR APPLICATION NUMBER: PCT/US99/30999
;; PRIOR FILING DATE: 1999-12-20
;; PRIOR APPLICATION NUMBER: PCT/US00/00219
;; PRIOR FILING DATE: 2000-01-05
;; NUMBER OF SEQ ID NOS: 423
;; SEQ ID NO 190
;; LENGTH: 607
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-905-125A-190

```

Query Match      100.0%; Score 3064; DB 4; Length 607;
Best Local Similarity 100.0%; Pred. No. 1.2e-289;
Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAEAGNASCCTVSLGGANNAETHKAMILQNLPSNCTWTIERPENKIRIIFSVQLDDPD 60
DB 23 MAEAGNASCCTVSLGGANNAETHKAMILQNLPSNCTWTIERPENKIRIIFSVQLDDPD 82
QY 61 GSCSENIKVPDGTSSNGPLIGQVCSKNDYVVPFESSSTLTFTQIVTDSARIQRTVFVY 120
DB 83 GSCSENIKVPDGTSSNGPLIGQVCSKNDYVVPFESSSTLTFTQIVTDSARIQRTVFVY 142
QY 121 YFFSPNISIPNCGGYLDTLGSFTSPNPKPHELAYCVMHIQVEKDYKIKLNFKEIFLE 180
DB 143 YFFSPNISIPNCGGYLDTLGSFTSPNPKPHELAYCVMHIQVEKDYKIKLNFKEIFLE 202
QY 181 IDKQCKDFDLAIYDGPSTNSGLIGQVCGRVTPPTFESSNSLTIVLSTDYANSYRGFSASY 240
DB 203 IDKQCKDFDLAIYDGPSTNSGLIGQVCGRVTPPTFESSNSLTIVLSTDYANSYRGFSASY 262
QY 241 TSIAENINTSLTCSDDRMVLIISKYLEAFNSGNNLQKDPCTCRPKLSNVVFSVPL 300
DB 263 TSIAENINTSLTCSDDRMVLIISKYLEAFNSGNNLQKDPCTCRPKLSNVVFSVPL 322
QY 301 NGCGTIRKVEDQSIYTNIIITFASSTSEVITRQKQLIIVKCEMGNHSTVEIYYITEDD 360
DB 323 NGCGTIRKVEDQSIYTNIIITFASSTSEVITRQKQLIIVKCEMGNHSTVEIYYITEDD 382
QY 361 VIQSONALGKNTSMALFESNPKTILESPYVDLQNTLFPVQVSLTSDPNLWFLDTC 420
DB 383 VIQSONALGKNTSMALFESNPKTILESPYVDLQNTLFPVQVSLTSDPNLWFLDTC 442
QY 421 RASPTSDPASPTDYLIKSGCRDCTCKYPLFGHYGRFQFNAKFLRSMSSVYLQCKVLI 480
DB 443 RASPTSDPASPTDYLIKSGCRDCTCKYPLFGHYGRFQFNAKFLRSMSSVYLQCKVLI 502
QY 481 CDSHDSQRNQCQVSRKRDISYKWKTDIIIGPIRLKDRSAGNSGFGHETHAETP 540
DB 503 CDSHDSQRNQCQVSRKRDISYKWKTDIIIGPIRLKDRSAGNSGFGHETHAETP 562
QY 541 NQPFNSVHLFPFVWLALNVVTAITVHFVNQADYKYOKLQNY 585
DB 563 NQPFNSVHLFPFVWLALNVVTAITVHFVNQADYKYOKLQNY 607

RESULT 3
US-09-902-775A-190
; Sequence 190, Application US/09902775A
; Patent No. 6686451
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitz, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.

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; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/902,775A
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 190
; LENGTH: 607
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-902-775A-190

```

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Query Match      100.0%; Score 3064; DB 4; Length 607;
Best Local Similarity 100.0%; Pred. No. 1.2e-289;
Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAEAGNASCCTVSLGGANNAETHKAMILQNLPSNCTWTIERPENKIRIIFSVQLDDPD 60
DB 23 MAEAGNASCCTVSLGGANNAETHKAMILQNLPSNCTWTIERPENKIRIIFSVQLDDPD 82
QY 61 GSCSENIKVPDGTSSNGPLIGQVCSKNDYVVPFESSSTLTFTQIVTDSARIQRTVFVY 120
DB 83 GSCSENIKVPDGTSSNGPLIGQVCSKNDYVVPFESSSTLTFTQIVTDSARIQRTVFVY 142
QY 121 YFFSPNISIPNCGGYLDTLGSFTSPNPKPHELAYCVMHIQVEKDYKIKLNFKEIFLE 180
DB 143 YFFSPNISIPNCGGYLDTLGSFTSPNPKPHELAYCVMHIQVEKDYKIKLNFKEIFLE 202
QY 181 IDKQCKDFDLAIYDGPSTNSGLIGQVCGRVTPPTFESSNSLTIVLSTDYANSYRGFSASY 240
DB 203 IDKQCKDFDLAIYDGPSTNSGLIGQVCGRVTPPTFESSNSLTIVLSTDYANSYRGFSASY 262
QY 241 TSIAENINTSLTCSDDRMVLIISKYLEAFNSGNNLQKDPCTCRPKLSNVVFSVPL 300
DB 263 TSIAENINTSLTCSDDRMVLIISKYLEAFNSGNNLQKDPCTCRPKLSNVVFSVPL 322

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301 NGCGTIRKVEDQSYTYNIIITFSASSTSEVITRQKQLIIKCEMGNHSTVEIITIEDD 360
 Db 323 NGCGTIRKVEDQSYTYNIIITFSASSTSEVITRQKQLIIKCEMGNHSTVEIITIEDD 382
 Qy 361 VIQSONALGKNTSMALPESNFESFEKTIILESPYYVDLQTLFVQVSLHTSPNLVWFLDTC 420
 Db 383 VIQSONALGKNTSMALPESNFESFEKTIILESPYYVDLQTLFVQVSLHTSPNLVWFLDTC 442
 Qy 421 RASPTSDPASPTDYLIKSGCSRDCTCKVYPLFGHYGRFQFNAFKFLRSMSSVYLQCKVLI 480
 Db 443 RASPTSDPASPTDYLIKSGCSRDCTCKVYPLFGHYGRFQFNAFKFLRSMSSVYLQCKVLI 502
 Qy 481 CDSHDQSRQNCQCVSRKRDIISSYKWKTDIIIGPIRLKDRSASGNSGQFHETHAETP 540
 Db 503 CDSHDQSRQNCQCVSRKRDIISSYKWKTDIIIGPIRLKDRSASGNSGQFHETHAETP 562
 Qy 541 NQPFNSVHLFSFVWLALNVVTAITVRHFVNQADYKYQKQNY 585
 Db 563 NQPFNSVHLFSFVWLALNVVTAITVRHFVNQADYKYQKQNY 607

RESULT 4
 US-08-470-350B-2
 ; Sequence 2, Application US/08470350B
 ; Patent No. 5684126
 ; GENERAL INFORMATION:
 ; APPLICANT: Li, Xiao
 ; APPLICANT: Snyder, Solomon H
 ; TITLE OF INVENTION: Ebnerin: A Secreted von Ebner's Gland
 ; TITLE OF INVENTION: Protein Associated with Taste Buds
 ; NUMBER OF SEQUENCES: 6
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Banner & Witcoff, Ltd.
 ; STREET: 1001 G Street, N.W.
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: USA
 ; ZIP: 20001
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/470.350B
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Wolfe, Susan A
 ; REGISTRATION NUMBER: 33,568
 ; REFERENCE/DOCKET NUMBER: 01107.48790
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 202-508-9100
 ; TELEFAX: 202-508-9299
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1290 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-470-350B-2

Query Match 27.5%; Score 842; DB 1; Length 1290;
 Best Local Similarity 29.3%; Pred. No. 1.9e-72;
 Matches 200; Conservative 125; Mismatches 191; Indels 166; Gaps 16;
 Qy 36 CWTWTERPENKSIIRIFSVOLDPDGSCSENIKVDFGTSSNGPLIGQVCS----- 86
 Db 609 CLWKLFVSMKRVTVVFDVQL--EGGCNVYILGDFGFENSSLIARVCDGSGNSTST 666
 Qy 87 -----KNDY-----VPVFSSSTLTQIVTDSARIQ 113
 Db 667 QNFMVWFITDGSVTRRGQADYSTPIRTSTPTPTTPIITGNDSSILRLVNGVNRCE 726

114 RTVFVY----- 120
 Db 727 GRVELLYRGVWPVPCADDSWDINDANVCRQLGCGSALSAPGNWFGGSGGLVLVDVSCS 786
 Qy 121 -----YFFSPNISINCGGYLTLE 140
 Db 787 GYESHLMNCRHFGVLWNCRHVEDAGVICSLPDPPTSPGPVMTSPFPVNTCGFLTGLS 846
 Qy 141 GSFTSPNPKPHELAYCWHIOVEKDYKIKLNFKEIFLEIDKOCKDFDLAIYDGPSTNS 200
 Db 847 GQFSSPYPGYPNARCLNIEVPNNYRVTVVERDV--QLEGGCNVDYIEIFDGPSS 904
 Qy 201 GLIGQVGRVTPTPESSNSLTIVLSTYANSYRGPSASYTSIYAENINTSLTCSSTRM 260
 Db 905 PLIARVCDGAMGSFTSTSNFMSVRFTHDSVTRGFRADYYSDP--DNNTNLLCLSNHM 962
 Qy 261 RVILTSKSYLEAPNSGNLQK----DPTCEPKLS--NVVPSVPLNGCGTIRKVEDQSI 315
 Db 963 RASVRSYLOSMGYSSRDVLPVGNVSYQCPQITQREVITPTTCGTTKQADNETIN 1022
 Qy 316 YTNIIITFSASSTSEVITRQKQLIIKCEMGNHSTVEIITIEDDVIQSONALGKYNTSM 375
 Db 1023 YSNFL--KAAVSNGLIKERKDLHIHVSCKMLQNTVNTVITNTNVEIQEVQYGNPDVNI 1080
 Qy 376 ALFESNSFEKTIILESPYYVDLQTLFVQVSLHTSDPNLVFLDTCRASP-TSDFASPTD 434
 Db 1081 SFYTSSFLYPTSPYYVDLQTLFVQVSLHTSDPNLVFLDTCRASP-TSDFASPTD 1140
 Qy 435 LIKSCSDEKTCVY---PLFGHYGRFQFNAFKFLRSMSSVYLQCKVLCDSHDQSR 490
 Db 1141 LIRSGCIRDEYQSYSSPSP--RITRFKSSFFHLNRPFSVYLQCKLVVCRANDVSSRC 1197
 Qy 491 NOGCVSRKRDIISSYKWKTDIIIGPIRL-----KDRSAS--GNSGQFHETHAETPNQPFN 545
 Db 1198 YRGCVSRKRDVGSYQEVKVDVVLGPIQLQSPSEKRSKSLDLAVADVKEPSSQEV----YP 1253
 Qy 546 SVHLFSFVWLALNVVTAITV 567
 Db 1254 TAAIFGGVFLAL-VVAVAAFTL 1274

RESULT 5
 US-09-341-587-3
 ; Sequence 3, Application US/09341587
 ; Patent No. 6346606
 ; GENERAL INFORMATION:
 ; APPLICANT: Mollenhauer, Jan
 ; TITLE OF INVENTION: Protein Containing an SRCR Domain
 ; FILE REFERENCE: 4121-108
 ; CURRENT APPLICATION NUMBER: US/09/341.587
 ; CURRENT FILING DATE: 1999-08-31
 ; EARLIER APPLICATION NUMBER: PCT/DE98/00096
 ; EARLIER FILING DATE: 1998-01-09
 ; NUMBER OF SEQ ID NOS: 12
 ; SOFTWARE: Patent in Ver. 2.1
 ; SEQ ID NO 3
 ; LENGTH: 1785
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-341-587-3

Query Match 27.3%; Score 837; DB 4; Length 1785;
 Best Local Similarity 29.7%; Pred. No. 1e-71;
 Matches 186; Conservative 122; Mismatches 161; Indels 158; Gaps 13;
 Qy 36 CWTWTERPENKSIIRIFSVOLDPDGSCSENIKVDFGTSSNGPLIGQVCSKNDVVPVE 95
 Db 1164 CWWELEVNSGTRINGFNKLEAHNCSFYEIFDGLSNLSLLKIC--NUTROIFT 1221
 Qy 96 SSSSTLTQIVTDSARIQTVVFYFFSP----- 125
 Db 1222 SSYNMTIHRSDIS--FQNTGFLAWYNSFPDATALRLVNLNSYGLCAGRVEIYHGVTGW 1280

QY 126 -----NLSIPN-----CGYLDLTLEGSFTSNYPKPH 152
 Db 1281 TVCDDSWTIOAEVVCRLGCGRAVSALGNAYFGSGGPIITLDDVECSGTSTLWQCNR 1340
 QY 126 -----NLSIPN-----CGYLDLTLEGSFTSNYPKPH 152
 Db 1341 GWFHNCNHRDAGVICSGNHLSTAPFLNTRNTDYSCGFLSQSPGDFSPFPNGY 1400
 QY 153 PELAYCVWHIOVEKDYKIKLAFKEIFLEIDKQCKFDPLAIYDGPSTNSGLIGQVCGRVT 212
 Db 1401 PNNACVWDIEVQNNYRVTVIPRDV--QLEGCCNDYIEVDGPRSSPLIARVCDGARG 1458
 QY 213 TPESSNSITVVLSTDYANSYRGFSASYTSIYAENINTTSLTCSDDMRVVISKSYLEAF 272
 Db 1459 SFTSSNFMIRFSDHSITRRGPRAEYS--SPENDSTNLLCLPNNHMAQASVRSYLQSL 1516
 QY 273 NSNGNQLQKD---PTCRPKLS--NVVEFSVPLNGCGTIRKVEDQSIYTNIIIFSASST 327
 Db 1517 GFSASDLVISTWNGYECRPOITPLNVIPTIPYSCGTFKQADNDTIDYSNFLT--AAVS 1574
 QY 328 SEVITRQKLOIIVKCEMGNSTVEIIVITEDDVIQSONAL-----GKNTSMALFES 380
 Db 1575 GGIKERTDLRHVSCRMQLQNTWDTMYIANDTHVANNTIQVEVQYGNFVNMISFTS 1634
 QY 381 NSFEXITLESPIYVDLNTLTFVQVSLHTSDPNLVVFLDTCRASP--TGFASPTVDLIKSG 439
 Db 1635 SSFLYPVTSRPVYVDLQDLVQABILHSDAVLTLFVDTCVASPSYNDFTSLTYDLIRSG 1694
 QY 440 CSRDETKVYPLFGHY-----GRFQNAKFLRSMSSVYLQCKVLICSDSHQSCNQ 492
 Db 1695 CVRBDT-----YGPYSFSLRIARFRAPFHLNFRFPVYLRCMVCVCRAYDPSRCYR 1748
 QY 493 GCVSRSKRDIGSKWKTDIIIGPIRLK 519
 Db 1749 GCVLRSKRDVSGYQEKVDVIGPIQLQ 1775
 RESULT 6
 US-09-341-587-1
 ; Sequence 1, Application US/09341587
 ; Patent No. 6346606
 ; GENERAL INFORMATION:
 ; APPLICANT: Mollenhauer, Jan
 ; TITLE OF INVENTION: Protein Containing an SRCR Domain
 ; FILE REFERENCE: 4121-108
 ; CURRENT APPLICATION NUMBER: US/09/341,587
 ; CURRENT FILING DATE: 1999-08-31
 ; EARLIER APPLICATION NUMBER: PCT/DE98/00096
 ; EARLIER FILING DATE: 1998-01-09
 ; NUMBER OF SEQ ID NOS: 12
 ; SOFTWARE: Patent in Ver. 2.1
 ; SEQ ID NO 1
 ; LENGTH: 666
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-341-587-1
 Query Match 15.4%; Score 470.5; DB 4; Length 666;
 Best Local Similarity 24.1%; Pred. No. 1e-36;
 Matches 111; Conservative 92; Mismatches 121; Indels 137; Gaps 9;
 QY 36 CWTIERPENKIRIFSVVOLDPDGSCSENIKVKFDGTSNGPLLGQVCKNDYVPVE 95
 Db 213 CWVEIVNSGRINLGNKLEAHNCSFDYIFDGLNSLLLGKIC--NDTROIFT 270
 QY 96 SSSSTLTFTQIVTDSARIQRTVFVYFPFSP----- 125
 Db 271 SSYNEMTHFRSDIS--FQNTGFLAWNSFPDATALRLVNLNLSYGLCAGRVEIYHGWTG 329
 QY 126 ----- 125
 Db 330 TVCDDSWTIOAEVVCRLGCGRAVSALGNAYFGSGGPIITLDDVECSGTSTLWQCNR 389

QY 126 -----NLSIPN-----CGYLDLTLEGSFTSNYPKPH 152
 Db 390 GWFHNCNHRDAGVICSGNHLSTAPFLNTRNTDYSCGFLSQSPGDFSPFPNGY 449
 QY 153 PELAYCVWHIOVEKDYKIKLAFKEIFLEIDKQCKFDPLAIYDGPSTNSGLIGQVCGRVT 212
 Db 450 PNNACVWDIEVQNNYRVTVIPRDV--QLEGCCNDYIEVDGPRSSPLIARVCDGARG 507
 QY 213 TPESSNSITVVLSTDYANSYRGFSASYTSIYAENINTTSLTCSDDMRVVISKSYLEAF 272
 Db 508 SFTSSNFMIRFSDHSITRRGPRAEYS--SPENDSTNLLCLPNNHMAQASVRSYLQSL 565
 QY 273 NSNGNQLQKD---PTCRPKLS--NVVEFSVPLNGCGTIRKVEDQSIYTNIIIFSASST 327
 Db 566 GFSASDLVISTWNGYECRPOITPLNVIPTIPYSCGTFKQADNDTIDYSNFLT--AAVS 623
 QY 328 SEVITRQKLOIIVKCEMGNSTVEIIVITEDDVIQSONAL 368
 Db 624 GGIKERTDLRHVSCRMQLQNTWDTMYIANDTHVANNTI 664
 RESULT 7
 US-09-341-461-2
 ; Sequence 2, Application US/09341461
 ; Patent No. 6586389
 ; GENERAL INFORMATION:
 ; APPLICANT: Hammond, Timothy G.
 ; APPLICANT: Verroust, Pierre J.
 ; TITLE OF INVENTION: Cubilin Protein, DNA Sequences Encoding Cubilin
 ; TITLE OF INVENTION: and Uses Thereof
 ; FILE REFERENCE: D6148
 ; CURRENT APPLICATION NUMBER: US/09/341,461
 ; CURRENT FILING DATE: 2000-07-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/01259
 ; PRIOR FILING DATE: 1999-01-21
 ; NUMBER OF SEQ ID NOS: 40
 ; SEQ ID NO 2
 ; LENGTH: 3623
 ; TYPE: PRT
 ; ORGANISM: rat
 ; FEATURE:
 ; OTHER INFORMATION: amino acid sequence of rat cubilin protein
 ; US-09-341-461-2
 Query Match 9.7%; Score 297.5; DB 4; Length 3623;
 Best Local Similarity 28.1%; Pred. No. 1.4e-18;
 Matches 101; Conservative 59; Mismatches 152; Indels 47; Gaps 15;
 QY 4 AEGNASCTVSLGGANMAETHKAMILQLNP-----SENCWTWIE-RPENKSIIRIIFYVOL 57
 Db 1614 AEFRECE---GGRIIMTSSDTIFSPLYPGNYLGNQNCWIEAQPPFNIGITLSFTGFQL 1669
 QY 58 DPDGSCSENIKVKFDGTSNGPLLGQVCKNDYVPVESSSSTLTFTQIVTDSARIQRTVF 117
 Db 1670 QNSTDCTDRDFEILDENDYDAPVQGRYCGFSLPGPII--SFGNALTUATVFTVDTSTSFGR 1728
 QY 118 VFYFPFSPNISIPNCGYLDLTLEGSFTSNYPKPHPELAYCVWHIOVEKDYKIKLAFKEI 177
 Db 1729 AIY-----SASTSSCGGFFYTLDDGIFNSPDYADYGNACVNMNIASSPGNRLQLSPLSF 1783
 QY 178 FLEIDKQCKFDPLAIYDGPSTNSGLIGQVCGRVTPESSS--NSLTWVLSTDYANSYRG 235
 Db 1784 NUENSLNCKDFVEIREGNAT--GGLIGRYCNSLPGNYSSAGGSLWVRFVSDSGSGTGMG 1842
 QY 236 FSASYTSIYAEN--INTTSLTCS-----SDMRVVISKSYLEAFNSNGNQLQKD-- 283
 Db 1843 FQARFKNIFGNNNIVGTGGKIASPPWPGKYPNSYKVVVN---VDAYGIIGRILEMDI 1899
 QY 284 -PTCR-----PKLSNVVEFSVPLNG--CGTIRKVEDQSIYTNIIIFSASSTSEVTR 333
 Db 1900 EPTTNCFYDSLKIYDGFDTGSRLLIGTYCGT-----QTESFSSSRNYLTFQFSSDSSVSGR 1954

RESULT 8

US-08-866-650-3
Sequence 3, Application US/08866650
Patent No. 5939321
GENERAL INFORMATION:
APPLICANT: Greenspan, Daniel S
APPLICANT: Takahara, Kazuhiko
APPLICANT: Hoffman, Guy G
TITLE OF INVENTION: Mammalian Tolloid-Like Protein
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Quarles & Brady
STREET: 1 South Pinckney Street
CITY: Madison
STATE: WI
COUNTRY: US
ZIP: 53703
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/866,650
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Berson, Bennett J
REGISTRATION NUMBER: 37094
REFERENCE/DOCKET NUMBER: 960296.93839
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1013 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-866-650-3

Query Match 9.6%; Score 293; DB 2; Length 1013;

Best Local Similarity 25.6%; Pred. No. 4.3e-19;

Matches 79; Conservative 47; Mismatches 120; Indels 62; Gaps 9;

QY	32	PSENCWTI	TERPENK	SIRI	IFSV	QV	LD	PD	GC	SE	NI	KV	FD	GT	SS	NG	LL	QV	CS	KD	YV	91
Db	484	PMKECV	WKLM	VEG	YH	VG	LT	FO	AF	IE	RH	DS	CA	YD	H	LE	V	R	D	G	A	542
QY	92	PVFESS	SL	TF	Q	IV	T	D	S	A	R	I	Q	T	V	F	V	F	Y	F	Y	123
Db	543	EDIR	ST	N	T	L	M	K	F	V	S	D	G	T	-	V	N	K	A	G	F	601
QY	124	SPN	IS	T	-	P	N	-	-	-	-	-	-	-	-	-	-	-	-	-	175	
Db	602	EPGY	EL	G	P	R	R	S	C	E	A	C	G	L	L	T	K	I	N	G	T	661
QY	176	E	I	F	L	E	I	D	K	O	C	K	F	D	L	A	I	Y	D	G	P	234
Db	662	F	F	E	L	E	G	N	E	V	K	Y	D	Y	V	E	I	N	G	S	P	721
QY	235	G	P	S	A	S	T	S	-	-	-	-	-	-	-	-	-	-	-	-	282	
Db	722	G	F	K	A	H	F	S	D	K	E	C	S	K	D	N	G	G	C	O	H	282
QY	283	D	P	T	C	R	P	K	L	290												
Db	771	E	A	E	C	E	Q	K	I	778												

RESULT 9

US-09-021-287-3

Sequence 3, Application US/09021287
Patent No. 5981717
GENERAL INFORMATION:
APPLICANT: Greenspan, Daniel S
APPLICANT: Takahara, Kazuhiko
APPLICANT: Hoffman, Guy G
TITLE OF INVENTION: Mammalian Tolloid-Like Protein
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Quarles & Brady
STREET: 1 South Pinckney Street
CITY: Madison
STATE: WI
COUNTRY: US
ZIP: 53703
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/021,287
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/866,650
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Berson, Bennett J
REGISTRATION NUMBER: 37094
REFERENCE/DOCKET NUMBER: 960296.93839
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1013 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-021-287-3

Query Match 9.6%; Score 293; DB 2; Length 1013;

Best Local Similarity 25.6%; Pred. No. 4.3e-19;

Matches 79; Conservative 47; Mismatches 120; Indels 62; Gaps 9;

QY	32	PSENCWTI	TERPENK	SIRI	IFSV	QV	LD	PD	GC	SE	NI	KV	FD	GT	SS	NG	LL	QV	CS	KD	YV	91
Db	484	PMKECV	WKLM	VEG	YH	VG	LT	FO	AF	IE	RH	DS	CA	YD	H	LE	V	R	D	G	A	542
QY	92	PVFESS	SL	TF	Q	IV	T	D	S	A	R	I	Q	T	V	F	V	F	Y	F	Y	123
Db	543	EDIR	ST	N	T	L	M	K	F	V	S	D	G	T	-	V	N	K	A	G	F	601
QY	124	SPN	IS	T	-	P	N	-	-	-	-	-	-	-	-	-	-	-	-	-	175	
Db	602	EPGY	EL	G	P	R	R	S	C	E	A	C	G	L	L	T	K	I	N	G	T	661
QY	176	E	I	F	L	E	I	D	K	O	C	K	F	D	L	A	I	Y	D	G	P	234
Db	662	F	F	E	L	E	G	N	E	V	K	Y	D	Y	V	E	I	N	G	S	P	721
QY	235	G	P	S	A	S	T	S	-	-	-	-	-	-	-	-	-	-	-	-	282	
Db	722	G	F	K	A	H	F	S	D	K	E	C	S	K	D	N	G	G	C	O	H	282
QY	283	D	P	T	C	R	P	K	L	290												
Db	771	E	A	E	C	E	Q	K	I	778												

RESULT 10

US-09-240-473-3

Sequence 3, Application US/09240473
Patent No. 6297011
GENERAL INFORMATION:
APPLICANT: Greenspan, Daniel S
APPLICANT: Takahara, Kazuhiko
APPLICANT: Hoffman, Guy G
TITLE OF INVENTION: Mammalian Tolloid-Like Protein
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Quarles & Brady
STREET: 1 South Pinckney Street
CITY: Madison
STATE: WI
COUNTRY: US
ZIP: 53703
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/240,473
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Berson, Bennett J
REGISTRATION NUMBER: 37094
REFERENCE/DOCKET NUMBER: 960296.93839
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1013 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-240-473-3

Query Match 9.6%; Score 293; DB 3; Length 1013;
Best Local Similarity 25.6%; Pred. No. 4.3e-19;
Matches 79; Conservative 47; Mismatches 120; Indels 62; Gaps 9;
QY 32 PSNCWTWIERPENKSIIRIIFSVQLDPDGCSENIKVPDGTSSNGPLLGQVCSKNDYV 91
Db 484 PMKECVKIMVSEGYHGLTFQAFETIERHDSYDHLVDRGASNSPLIGRFGC-YDKP 542
QY 92 PVFESSSTLTQIVTDSARIQRTVFVYYP-----F 123
Db 543 EDIRSTNTLWMKPVSDGT-VNKAGFAANFFKEEDCAKPDGCGCQRCINTLGSYQCAC 601
QY 124 SPNISI-PN-----CGGYLDTLEGFTSPNYPKPELAYCVWHIQVEKDYKIKLNPK 175
Db 602 EPGVELGPDRRSCAEACGGLLTKLNGTITTPGPKPEYPPKNCVQVAPSQYRISVKFE 661
QY 176 EFILEDKQCKFPLAIDGPNSTNSGLIGQVCRVTP-TPFSSNSLTVLSTDVANSYR 234
Db 662 FPLEGNEVKYDYVEIWSGPSSSKLHGKCGADIPVMTSHFNMRIFKSDNTVSKK 721
QY 235 GFSASYTS-----IYASININTT-SLTCSDRMRVIISKSYLEAFNNGNNLQLK 282
Db 722 GFKAHFPDKDECKNGGCGQHCVTMGSYTCQ-----RNGFVLHKNKDKK 770
QY 283 DPTCRPKL 290
Db 771 EAECEQKI 778

RESULT 11

US-08-453-472-6

Sequence 6, Application US/08453472
Patent No. 5626846
GENERAL INFORMATION:

APPLICANT: DEAN, JURRIEN
TITLE OF INVENTION: CONTRACEPTIVE VACCINE
TITLE OF INVENTION: BASED ON ALLOIMMUNIZATION WITH ZONA PELLUCIDA
TITLE OF INVENTION: POLYPEPTIDES
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
STREET: 345 PARK AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/453,472
FILING DATE: 30-May-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/038,948
FILING DATE: 26-MAR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/930,462
FILING DATE: 20-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/364,379
FILING DATE: 12-JUN-1989
ATTORNEY/AGENT INFORMATION:
NAME: DOROTHY R. AUTH
REGISTRATION NUMBER: 36,434
REFERENCE/DOCKET NUMBER: 2026-4032 US3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEFAX: (212) 751-6849
TELEX: 421792
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 713
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: mouse
STRAIN:
INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE:
HAPLOTYPE:
TISSUE TYPE:
CELL TYPE:
CELL LINE:
ORGANELLE:
FEATURE:
NAME/KEY: ZP2
LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION: mouse ZP2 protein
US-08-453-472-6

Query Match 9.4%; Score 289; DB 1; Length 713;
Best Local Similarity 22.8%; Pred. No. 5.8e-19;
Matches 129; Conservative 85; Mismatches 202; Indels 150; Gaps 24;

QY 50 IIFSVQLDPDGCSENI-----IKVPDGT-----SSNGPLLGQ 83
Db 155 ISFSPDGLFRLADENQNVSEMGWIKVINGTGAHILPLKDAIVQGFNLLDSQKVTLV 214
QY 84 VCSKNDYVPVFESSSTLTQI-VTDSARIQRTVFVYFFSPNIS-----IFN 131
Db 215 PANATGIVHYVQESSYLYTVQLLELFTTQKIVFSSHAICAPDLVACNATHMTLITPE 274

QY 132 CGGYLDLTL-GSFTSPNYPKHPPELAYCVWH---IQVEKDYKIKLNFKEIFLEIDKCKF 187
Db 275 FPGKLESVDFGWSIPEDQ-----WHANGIDKEATNGULNFRKSLTKPKSEK 324
QY 188 DFLAIYDGPSTNSGLIGQVGRVTPTESSNSLTIVLSTDYANSYRGFSASYTIAEN 247
Db 325 PFYQFY-----LSSLKLTFFVQGNMLSTVIDPE-----CHCES 357
QY 248 INTSLTSSDRMRVVISKSYLEAFNSNGNLLQKDPTCRP--KLSNV--VEFSVPLNGC 303
Db 358 PVSIDELCAQDGFDFEYVSHQTKPALNLDLTLVGNSSCOPIFKVQSVGLARFHIPLNGC 417
QY 304 GTIRKVEDQSIITYN--IITFSASSTSEVITRQKQLQIIVKCEMHNSTVEIITTEDVVI 362
Db 418 GTROKFEQDKVIYENIEHALWENPPSNIVFRNSEFRMTVRC-----YYIRDSML 466
QY 363 QSONALGKNTS-----MALPESNFEKTILESPIYVD-----LNQTLFVQV 404
Db 467 LNAHVKGHPSPFAFKPGPLVLVLQTYPDQSYQR-----PYRKDEYPLVRLRQPIYMEV 521
QY 405 S-LHTSDPNLVFLDTCRASPTSDPAS--PTYDLIKSGCSDRETCKVYPL-----451
Db 522 KVLSENENIKLVLDCCWATSEDPASAPQWQIVMDGCE-----YELONYRTTHPAG 574
QY 452 -----FGHYGRFQFNAPKFL--RSMSS-VYLQCKVLICDSSDHQS--RCNQGCVS--RSK 499
Db 575 SSAHSGHYQRFVKTFAFVSEARGLSLIYFHCSALICNQVSLDSPCLSVTPCASLRSK 634
QY 500 RDISYKWKTDIIIGPIRLKDRSAS 525
Db 635 REANKEDTWTVSLPGFILLSDVSSS 660

RESULT 12
US-08-038-948-7
; Sequence 7, Application US/08038948
; Patent No. 5641487
; GENERAL INFORMATION:
; APPLICANT: DEAN, JURRIEN
; TITLE OF INVENTION: CONTRACEPTIVE VACCINE BASED ON
; TITLE OF INVENTION: ALLOIMMUNIZATION WITH ZONA PELLUCIDA POLYPEPTIDES
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CUSHMAN, DARBY & CUSHMAN
; STREET: 1100 New York Avenue, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.
; ZIP: 20005-3918
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/038,948
; FILING DATE: 26-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/930,462
; FILING DATE: 20-AUG-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/364,379
; FILING DATE: 12-JUN-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: SCOTT, Watson T.
; REGISTRATION NUMBER: 26,581
; REFERENCE/DOCKET NUMBER: 99152/E-266-88/2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 861-3000
; TELEFAX: (202) 822-0944
; TELEX: 6714627 CUSH

; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 713 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-038-948-7

Query Match 9.4%; Score 289; DB 1; Length 713;
Best Local Similarity 22.8%; Pred. No. 5.8e-19;
Matches 129; Conservative 85; Mismatches 202; Indels 150; Gaps 24;

QY 50 IIFSVDLPDGCSESEN-----IKVFDCT-----SSNPLLGQ 83
Db 155 ISFSPPQLFSRLADENQNVSEMGWIKIGNTRAHILPLKDAIVQGFNLLIDSQKVLHV 214
QY 84 VCSKNDYVPVPESSSITLFOI-VTDSARIQRTVFVYFSPNIS-----IPN 131
Db 215 PANATGIVHYVQESSLYTVQLELLFSTGTQKIVFSSHAICAPLSVACNATHMTLTIPE 274
QY 132 CGGYLDLTL-GSFTSPNYPKHPPELAYCVWH---IQVEKDYKIKLNFKEIFLEIDKCKF 187
Db 275 FPGKLESVDFGWSIPEDQ-----WHANGIDKEATNGULNFRKSLTKPKSEK 324
QY 188 DFLAIYDGPSTNSGLIGQVGRVTPTESSNSLTIVLSTDYANSYRGFSASYTIAEN 247
Db 325 PFYQFY-----LSSLKLTFFVQGNMLSTVIDPE-----CHCES 357
QY 248 INTSLTSSDRMRVVISKSYLEAFNSNGNLLQKDPTCRP--KLSNV--VEFSVPLNGC 303
Db 358 PVSIDELCAQDGFDFEYVSHQTKPALNLDLTLVGNSSCOPIFKVQSVGLARFHIPLNGC 417
QY 304 GTIRKVEDQSIITYN--IITFSASSTSEVITRQKQLQIIVKCEMHNSTVEIITTEDVVI 362
Db 418 GTROKFEQDKVIYENIEHALWENPPSNIVFRNSEFRMTVRC-----YYIRDSML 466
QY 363 QSONALGKNTS-----MALPESNFEKTILESPIYVD-----LNQTLFVQV 404
Db 467 LNAHVKGHPSPFAFKPGPLVLVLQTYPDQSYQR-----PYRKDEYPLVRLRQPIYMEV 521
QY 405 S-LHTSDPNLVFLDTCRASPTSDPAS--PTYDLIKSGCSDRETCKVYPL-----451
Db 522 KVLSENENIKLVLDCCWATSEDPASAPQWQIVMDGCE-----YELONYRTTHPAG 574
QY 452 -----FGHYGRFQFNAPKFL--RSMSS-VYLQCKVLICDSSDHQS--RCNQGCVS--RSK 499
Db 575 SSAHSGHYQRFVKTFAFVSEARGLSLIYFHCSALICNQVSLDSPCLSVTPCASLRSK 634
QY 500 RDISYKWKTDIIIGPIRLKDRSAS 525
Db 635 REANKEDTWTVSLPGFILLSDVSSS 660

RESULT 13
US-08-038-948-8
; Sequence 8, Application US/08038948
; Patent No. 5641487
; GENERAL INFORMATION:
; APPLICANT: DEAN, JURRIEN
; TITLE OF INVENTION: CONTRACEPTIVE VACCINE BASED ON
; TITLE OF INVENTION: ALLOIMMUNIZATION WITH ZONA PELLUCIDA POLYPEPTIDES
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CUSHMAN, DARBY & CUSHMAN
; STREET: 1100 New York Avenue, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.
; ZIP: 20005-3918
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/038,948
FILING DATE: 26-MAR-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/930,462
FILING DATE: 20-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/364,379
FILING DATE: 12-JUN-1989
ATTORNEY/AGENT INFORMATION:
NAME: SCOTT, Watson T.
REGISTRATION NUMBER: 26,581
REFERENCE/DOCKET NUMBER: 99152/E-266-88/2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 861-3000
TELEFAX: (202) 822-0944
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 713 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-038-948-8

Query Match 9.4%; Score 289; DB 1; Length 713;
Best Local Similarity 22.8%; Pred. No. 5.8e-19;
Matches 129; Conservative 85; Mismatches 202; Indels 150; Gaps 24;
QY 50 IIFSVQLDPDGCSESEN-----IKVFDGT-----SSNGPLLGQ 83
DB 155 ISFSPQLFSLADENQVSEMGWIKVGNTRAHILPLKDAIVQGNLLIDSKVTLHV 214
QY 84 VCKNDYVFPVPESSSTLTFOI-VTDSARIQRTVFVFFSPNIS-----IPN 131
DB 215 PANATGIVHYQVSESVLYTVQLELLFSTTGKIVFSSHAICAPDLSVACNATHMTLPIE 274
QY 132 CGGYLDTE-GSFTSPNPKPHELAYCVWH---IQVEKDYKIKLNFKELFLEIDKCKF 187
DB 275 PFGKLESVDFGWSIPEDQ-----WHANGIDKEATNGRLNFRKSLKTKPSEK 324
QY 188 DFLAYDGPSTNSGLIGVCGRVPTPFSSNSLTAVLSTDYANSYRGSFASYSIYAEN 247
DB 325 PYYQFY-----LSLKLTFYFGNMLSTVIDPE-----CHCES 357
QY 248 INTTSLTSSDRMRVVISKSYLEAFNSNGNLLQKDPCTCRP--KLSNV--VEFSVPLNGC 303
DB 358 PVSIDELCAQDGFMDFEVYSHQTKPALNLDLTLLVGNSSCQIFKVQSVGLARFHPILNGC 417
QY 304 GTIRKVEDQSYTYN-IITFSASSTSEVITRQKQIIVKCEMGNHSTVEIIVITDDVI 362
DB 418 GTROQFEGDKVITYENEIHALMENPPSIVFRNSEFRMTVRC-----YYRDSML 466
QY 363 QSONALGKYNTS-----MALFNSNFEKTLFESPYVVD-----LNQTLFVQV 404
DB 467 LNAHYKGHPSPFAFKVPGPLVLVLTQYPDQSYQR-----PYRKDEYPLVYLRQPIYMEV 521
QY 405 S-LHTSDNVLVFLDTCSAPTSDFAS-PTVDLIKSGCSRDETKVPL-----451
DB 522 KYLSRNDPNIKVLDDCWATSESDPASAPQWQVMDGCE-----YELDNYRTTFHPAG 574
QY 452 -----FGHYGRFOFNAFKFL---RSMSS-VYLQCKVLICDSDHQSS-RNCGCVS---RSK 499
DB 575 SAAASHGHVQRDVKTFAPVARGSLIIFHCSALICQVSLDPLCSVTCASLSRSK 634
QY 500 RUISSYKMKTDIIIGPILKRDRSAS 525
DB 635 REANKEDMTVSLPGLPILLSDVSSS 660

RESULT 14
US-08-038-948-10
Sequence 10, Application US/08038948
Patent No. 5641487
GENERAL INFORMATION:
APPLICANT: DEAN, JURRIEN
TITLE OF INVENTION: CONTRACEPTIVE VACCINE BASED ON
TITLE OF INVENTION: ALLOIMMUNIZATION WITH ZONA PELLUCIDA POLYPEPTIDES
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSER: CUSHMAN, DARBY & CUSHMAN
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/038,948
FILING DATE: 26-MAR-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/930,462
FILING DATE: 20-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/364,379
FILING DATE: 12-JUN-1989
ATTORNEY/AGENT INFORMATION:
NAME: SCOTT, Watson T.
REGISTRATION NUMBER: 26,581
REFERENCE/DOCKET NUMBER: 99152/E-266-88/2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 861-3000
TELEFAX: (202) 822-0944
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 713 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-038-948-10

Query Match 9.4%; Score 289; DB 1; Length 713;
Best Local Similarity 22.8%; Pred. No. 5.8e-19;
Matches 129; Conservative 85; Mismatches 202; Indels 150; Gaps 24;
QY 50 IIFSVQLDPDGCSESEN-----IKVFDGT-----SSNGPLLGQ 83
DB 155 ISFSPQLFSLADENQVSEMGWIKVGNTRAHILPLKDAIVQGNLLIDSKVTLHV 214
QY 84 VCKNDYVFPVPESSSTLTFOI-VTDSARIQRTVFVFFSPNIS-----IPN 131
DB 215 PANATGIVHYQVSESVLYTVQLELLFSTTGKIVFSSHAICAPDLSVACNATHMTLPIE 274
QY 132 CGGYLDTE-GSFTSPNPKPHELAYCVWH---IQVEKDYKIKLNFKELFLEIDKCKF 187
DB 275 PFGKLESVDFGWSIPEDQ-----WHANGIDKEATNGRLNFRKSLKTKPSEK 324
QY 188 DFLAYDGPSTNSGLIGVCGRVPTPFSSNSLTAVLSTDYANSYRGSFASYSIYAEN 247
DB 325 PYYQFY-----LSLKLTFYFGNMLSTVIDPE-----CHCES 357
QY 248 INTTSLTSSDRMRVVISKSYLEAFNSNGNLLQKDPCTCRP--KLSNV--VEFSVPLNGC 303
DB 358 PVSIDELCAQDGFMDFEVYSHQTKPALNLDLTLLVGNSSCQIFKVQSVGLARFHPILNGC 417

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OM protein - protein search, using sw model

Run on: February 18, 2004, 14:05:12 ; Search time 258.375 Seconds
(without alignments)
478.083 Million cell updates/sec

Title: US-09-864-711-14
Perfect score: 3064
Sequence: 1 MAEAGNACTVSLGGANNA.....TVRFVNRADYKQKQLONY 585

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 809742 seqs, 21153259 residues

Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:**

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- 3: /cgn2_6/ptodata/2/pubpaa/US05_NEW_PUB.pep.*
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- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	3064	100.0	585	US-09-864-711-14	Sequence 14, Appl
2	3064	100.0	607	US-09-909-320-190	Sequence 190, App
3	3064	100.0	607	US-09-909-088B-190	Sequence 190, App
4	3064	100.0	607	US-09-905-291A-190	Sequence 190, App
5	3064	100.0	607	US-09-902-853-190	Sequence 190, App
6	3064	100.0	607	US-09-907-824-190	Sequence 190, App
7	3064	100.0	607	US-09-907-841-190	Sequence 190, App
8	3064	100.0	607	US-09-904-011-190	Sequence 190, App
9	3064	100.0	607	US-09-906-742-190	Sequence 190, App
10	3064	100.0	607	US-09-906-838-190	Sequence 190, App
11	3064	100.0	607	US-09-907-613-190	Sequence 190, App
12	3064	100.0	607	US-09-907-942-190	Sequence 190, App
13	3064	100.0	607	US-09-904-859-190	Sequence 190, App
14	3064	100.0	607	US-09-909-204-190	Sequence 190, App
15	3064	100.0	607	US-09-904-820-190	Sequence 190, App

16	3064	100.0	607	10	US-09-904-786-190	Sequence 190, App
17	3064	100.0	607	10	US-09-906-646-190	Sequence 190, App
18	3064	100.0	607	10	US-09-906-700-190	Sequence 190, App
19	3064	100.0	607	10	US-09-903-786-190	Sequence 190, App
20	3064	100.0	607	10	US-09-902-903-190	Sequence 190, App
21	3064	100.0	607	10	US-09-903-749A-190	Sequence 190, App
22	3064	100.0	607	10	US-09-904-119-190	Sequence 190, App
23	3064	100.0	607	10	US-09-904-356-190	Sequence 190, App
24	3064	100.0	607	10	US-09-902-736-190	Sequence 190, App
25	3064	100.0	607	10	US-09-907-794-190	Sequence 190, App
26	3064	100.0	607	10	US-09-903-943-190	Sequence 190, App
27	3064	100.0	607	10	US-09-904-462-190	Sequence 190, App
28	3064	100.0	607	10	US-09-907-925-190	Sequence 190, App
29	3064	100.0	607	10	US-09-902-692-190	Sequence 190, App
30	3064	100.0	607	10	US-09-903-520-190	Sequence 190, App
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32	3064	100.0	607	10	US-09-909-064-190	Sequence 190, App
33	3064	100.0	607	10	US-09-904-553-190	Sequence 190, App
34	3064	100.0	607	10	US-09-905-381-190	Sequence 190, App
35	3064	100.0	607	10	US-09-905-088-190	Sequence 190, App
36	3064	100.0	607	10	US-09-907-575-190	Sequence 190, App
37	3064	100.0	607	10	US-09-905-075-190	Sequence 190, App
38	3064	100.0	607	10	US-09-902-759-190	Sequence 190, App
39	3064	100.0	607	10	US-09-902-634-190	Sequence 190, App
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42	3064	100.0	607	10	US-09-902-615-190	Sequence 190, App
43	3064	100.0	607	10	US-09-903-925-190	Sequence 190, App
44	3064	100.0	607	10	US-09-906-760A-190	Sequence 190, App
45	3064	100.0	607	10	US-09-903-823-190	Sequence 190, App

ALIGNMENTS

RESULT 1
US-09-864-711-14
; Sequence 14, Application US/09864711
; Patent No. US20020077309A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR PANCREATIC DISORDERS
; FILE REFERENCE: PB-0008-1 CIP
; CURRENT APPLICATION NUMBER: US/09/864,711
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PERL Program
; SEQ ID NO 14
; LENGTH: 585
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: 223163CD1
US-09-864-711-14

Query Match 100.0%; Score 3064; DB 9; Length 585;
Best Local Similarity 100.0%; Pred. No. 1.7e-276;
Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MAEAGNACTVSLGGANNAETHKAMILQNLSENCTWTIERPENKSIIRIFSYVQLDPD	60
Db	1	MAEAGNACTVSLGGANNAETHKAMILQNLSENCTWTIERPENKSIIRIFSYVQLDPD	60
Qy	61	GSCESENIKVFDTSSNGPLQGVCKNDYVPVFSSSTLTFQIVTDSARQRTVFVY	120
Db	61	GSCESENIKVFDTSSNGPLQGVCKNDYVPVFSSSTLTFQIVTDSARQRTVFVY	120
Qy	121	YFSPNISPNCGGYLDLTLEGSFTSPNPKPPELAYCVMHIOVEKDYKIKLNFKEIFLE	180
Db	121	YFSPNISPNCGGYLDLTLEGSFTSPNPKPPELAYCVMHIOVEKDYKIKLNFKEIFLE	180

QY 181 IDKQCKFDLAIYDGPSTNSGLIGQVCGRVTPPTFSSNSLTVLSTDYANSYRGSASY 240
 Db 181 IDKQCKFDLAIYDGPSTNSGLIGQVCGRVTPPTFSSNSLTVLSTDYANSYRGSASY 240
 QY 241 TSIYAENINTSLTCSDDMRVLIISKYLEAFNSGNNLQKDPCTCRPKLSNVVFSVPL 300
 Db 241 TSIYAENINTSLTCSDDMRVLIISKYLEAFNSGNNLQKDPCTCRPKLSNVVFSVPL 300
 QY 301 NGCGTIRKVEDQSIITNTIITFSASSTSEVITRQKQLQIIVKCEMHNSTVEIITRDD 360
 Db 301 NGCGTIRKVEDQSIITNTIITFSASSTSEVITRQKQLQIIVKCEMHNSTVEIITRDD 360
 QY 361 VIQSONALGKYNSTMALFESNFEKILSPYVVDLNQTLFVQVSLHTSDPNLVFLDTC 420
 Db 361 VIQSONALGKYNSTMALFESNFEKILSPYVVDLNQTLFVQVSLHTSDPNLVFLDTC 420
 QY 421 RASPTSDPASPTDYLKSGCSRDETCVKVPLFGHYGRFOFNAPKFLRSMSSVYLOCKVLI 480
 Db 421 RASPTSDPASPTDYLKSGCSRDETCVKVPLFGHYGRFOFNAPKFLRSMSSVYLOCKVLI 480
 QY 481 CDSSDHQSRNOCQCVSRKEDISSYKWKTDSSIIGPIRLKDRSASGNSGFQETHABETP 540
 Db 481 CDSSDHQSRNOCQCVSRKEDISSYKWKTDSSIIGPIRLKDRSASGNSGFQETHABETP 540
 QY 541 NQPFNSVHLFSFMYLALNVVTVATITVRHFVNORADYKQKQLQNY 585
 Db 541 NQPFNSVHLFSFMYLALNVVTVATITVRHFVNORADYKQKQLQNY 585

RESULT 2

US-09-909-320-190
 ; Sequence 190, Application US/09909320
 ; Patent No. US20020132240A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerlitsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth, J.
 ; APPLICANT: KJavin, Ivar J.
 ; APPLICANT: Mather, Jennie P.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; FILE REFERENCE: 10466-14
 ; CURRENT APPLICATION NUMBER: US/09/909,320
 ; CURRENT FILING DATE: 2002-01-04
 ; PRIOR APPLICATION NUMBER: PCT/US00/04414
 ; PRIOR FILING DATE: 2000-02-22
 ; PRIOR APPLICATION NUMBER: US 60/143,048
 ; PRIOR FILING DATE: 1999-07-07
 ; PRIOR APPLICATION NUMBER: US 60/145,698
 ; PRIOR FILING DATE: 1999-07-26
 ; PRIOR APPLICATION NUMBER: US 60/146,222
 ; PRIOR FILING DATE: 1999-07-28
 ; PRIOR APPLICATION NUMBER: PCT/US99/20594

; PRIOR FILING DATE: 1999-09-08
 ; PRIOR APPLICATION NUMBER: PCT/US99/20944
 ; PRIOR FILING DATE: 1999-09-13
 ; PRIOR APPLICATION NUMBER: PCT/US99/21090
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/21547
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/23089
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: PCT/US99/28214
 ; PRIOR FILING DATE: 1999-11-29
 ; PRIOR APPLICATION NUMBER: PCT/US99/28313
 ; PRIOR FILING DATE: 1999-11-30
 ; PRIOR APPLICATION NUMBER: PCT/US99/28564
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 190
 ; LENGTH: 607
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-909-320-190

Query Match 100.0%; Score 3064; DB 9; Length 607;
 Best Local Similarity 100.0%; Pred. No. 1.8e-276; Indels 0; Gaps 0;
 Matches 585; Conservative 0; Mismatches 0

QY 1 MAEAGNASCTVSLGGANMAETHKAMILQNLNSENCTWTIERPENKSIIRIIFYQLDDP 60
 Db 23 MAEAGNASCTVSLGGANMAETHKAMILQNLNSENCTWTIERPENKSIIRIIFYQLDDP 82
 QY 61 GSCSENIKIVFDGTSNGPLLGQVCSKNDYVVPFSSSTLTFOIVTDSARIQTVFVY 120
 Db 83 GSCSENIKIVFDGTSNGPLLGQVCSKNDYVVPFSSSTLTFOIVTDSARIQTVFVY 142
 QY 121 YFSPNLSIPNCGYLDLTLEGSFTSPNPKPPELAYCVWHIQVEKYKIKLNFKEIFLE 180
 Db 143 YFSPNLSIPNCGYLDLTLEGSFTSPNPKPPELAYCVWHIQVEKYKIKLNFKEIFLE 202
 QY 181 IDKQCKFDLAIYDGPSTNSGLIGQVCGRVTPPTFSSNSLTVLSTDYANSYRGSASY 240
 Db 203 IDKQCKFDLAIYDGPSTNSGLIGQVCGRVTPPTFSSNSLTVLSTDYANSYRGSASY 262
 QY 241 TSIYAENINTSLTCSDDMRVLIISKYLEAFNSGNNLQKDPCTCRPKLSNVVFSVPL 300
 Db 263 TSIYAENINTSLTCSDDMRVLIISKYLEAFNSGNNLQKDPCTCRPKLSNVVFSVPL 322
 QY 301 NGCGTIRKVEDQSIITNTIITFSASSTSEVITRQKQLQIIVKCEMHNSTVEIITRDD 360
 Db 323 NGCGTIRKVEDQSIITNTIITFSASSTSEVITRQKQLQIIVKCEMHNSTVEIITRDD 382
 QY 361 VIQSONALGKYNSTMALFESNFEKILSPYVVDLNQTLFVQVSLHTSDPNLVFLDTC 420
 Db 383 VIQSONALGKYNSTMALFESNFEKILSPYVVDLNQTLFVQVSLHTSDPNLVFLDTC 442
 QY 421 RASPTSDPASPTDYLKSGCSRDETCVKVPLFGHYGRFOFNAPKFLRSMSSVYLOCKVLI 480
 Db 443 RASPTSDPASPTDYLKSGCSRDETCVKVPLFGHYGRFOFNAPKFLRSMSSVYLOCKVLI 502
 QY 481 CDSSDHQSRNOCQCVSRKEDISSYKWKTDSSIIGPIRLKDRSASGNSGFQETHABETP 540
 Db 503 CDSSDHQSRNOCQCVSRKEDISSYKWKTDSSIIGPIRLKDRSASGNSGFQETHABETP 562
 QY 541 NQPFNSVHLFSFMYLALNVVTVATITVRHFVNORADYKQKQLQNY 585

Db 563 NOPFNSVHLSFMVLALNVVTVATITVRHFVNQADYKYQKQNY 607

RESULT 3

US-09-909-088B-190
 ; Sequence 190, Application US/09909088B
 ; Patent No. US20020146709A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnovers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth, J.
 ; APPLICANT: Kljavin, Ivar J.
 ; APPLICANT: Mather, Jennie P.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; FILE OF INVENTION: Acids Encoding the Same
 ; FILE REFERENCE: 10466-14
 ; CURRENT APPLICATION NUMBER: US/09/909,088B
 ; PRIOR FILING DATE: 2001-07-18
 ; PRIOR APPLICATION NUMBER: PCT/US00/04414
 ; PRIOR FILING DATE: 2000-02-22
 ; PRIOR APPLICATION NUMBER: US 60/143,048
 ; PRIOR FILING DATE: 1999-07-07
 ; PRIOR APPLICATION NUMBER: US 60/145,698
 ; PRIOR FILING DATE: 1999-07-26
 ; PRIOR APPLICATION NUMBER: US 60/146,222
 ; PRIOR FILING DATE: 1999-07-28
 ; PRIOR APPLICATION NUMBER: PCT/US99/20594
 ; PRIOR FILING DATE: 1999-09-08
 ; PRIOR APPLICATION NUMBER: PCT/US99/20944
 ; PRIOR FILING DATE: 1999-09-13
 ; PRIOR APPLICATION NUMBER: PCT/US99/21090
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/21547
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/23089
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: PCT/US99/28214
 ; PRIOR FILING DATE: 1999-11-29
 ; PRIOR APPLICATION NUMBER: PCT/US99/28313
 ; PRIOR FILING DATE: 1999-11-30
 ; PRIOR APPLICATION NUMBER: PCT/US99/28564
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05

; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 190
 ; LENGTH: 607
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-909-088B-190

Query Match 100.0%; Score 3064; DB 9; Length 607;
 Best Local Similarity 100.0%; Pred. No. 1.8e-276;
 Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MAEARGNASCTVSLGGANMAETHKAMILQLNPSENCWTIERPENKSTRIIFSVQDDPD	60
DB	23	MAEARGNASCTVSLGGANMAETHKAMILQLNPSENCWTIERPENKSTRIIFSVQDDPD	82
QY	61	GSCESENIKVPDGTSSNGPLLGQVCNKNDYVPVFESSSTLTFOITDSARIQRTVFVY	120
DB	83	GSCESENIKVPDGTSSNGPLLGQVCNKNDYVPVFESSSTLTFOITDSARIQRTVFVY	142
QY	121	YFSPNISTPNCGGYLDTEGSPNTPYKPKHPELAYCWHIOVEKDYKIKLNKEIFLE	180
DB	143	YFSPNISTPNCGGYLDTEGSPNTPYKPKHPELAYCWHIOVEKDYKIKLNKEIFLE	202
QY	181	IDKQCKFDPLAIDGPGSTNSGLIGQVCGRVTPTESSNSLTTLVLTSTDYANSYRGFSY	240
DB	203	IDKQCKFDPLAIDGPGSTNSGLIGQVCGRVTPTESSNSLTTLVLTSTDYANSYRGFSY	262
QY	241	TSIYAENINTSLTSSDRMRVITISKYLEAFNNGNNLQKDPCTCRPKLSNVVFSVPL	300
DB	263	TSIYAENINTSLTSSDRMRVITISKYLEAFNNGNNLQKDPCTCRPKLSNVVFSVPL	322
QY	301	NGCGTIRKVEDQSIYTNITIFSSASTSEVITROKQIIVKCEMGNSTVEIIVITEDD	360
DB	323	NGCGTIRKVEDQSIYTNITIFSSASTSEVITROKQIIVKCEMGNSTVEIIVITEDD	382
QY	361	VIQSONALGKNTSMALPESNFETILESPYYVDLQNTLFFVQVSLHTSDPNLVFLDTC	420
DB	383	VIQSONALGKNTSMALPESNFETILESPYYVDLQNTLFFVQVSLHTSDPNLVFLDTC	442
QY	421	RASPTSDPASPTDYLKSGCSDRETCKVYPLFGHVGFOFNAPKFLRSMSSVYLCKVLI	480
DB	443	RASPTSDPASPTDYLKSGCSDRETCKVYPLFGHVGFOFNAPKFLRSMSSVYLCKVLI	502
QY	481	CDSDHQSRQNGCVSRSKRDISSYKWKTDIIGPILKRDRSASGNSGFQETHABETP	540
DB	503	CDSDHQSRQNGCVSRSKRDISSYKWKTDIIGPILKRDRSASGNSGFQETHABETP	562
QY	541	NOPFNSVHLSFMVLALNVVTVATITVRHFVNQADYKYQKQNY	585
DB	563	NOPFNSVHLSFMVLALNVVTVATITVRHFVNQADYKYQKQNY	607

RESULT 4

US-09-905-291A-190
 ; Sequence 190, Application US/09905291A
 ; Patent No. US20020160374A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnovers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth, J.


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; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 190
; LENGTH: 607
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-09-902-853-190

Query Match      100.0%; Score 3064; DB 9; Length 607;
Best Local Similarity 100.0%; Pred. No. 1.8e-276;
Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAEAGNASCCTVSLGGANNAETHKAMLIQLNPSENCTWTIERPENKSIIRIIFSVQLDDP 60
Db 23 MAEAGNASCCTVSLGGANNAETHKAMLIQLNPSENCTWTIERPENKSIIRIIFSVQLDDP 82
QY 61 GCSEENIKVFGTSSNGPLGQVCKNDYVPVFPSSSTLTFOIVDSARIQTVFVY 120
Db 83 GCSEENIKVFGTSSNGPLGQVCKNDYVPVFPSSSTLTFOIVDSARIQTVFVY 142
QY 121 YFFSPNISIPNGCGYLDLTLEGFTSPNPKPPELAYCVWHIQVEKQYIKLNKFIPL 180
Db 143 YFFSPNISIPNGCGYLDLTLEGFTSPNPKPPELAYCVWHIQVEKQYIKLNKFIPL 202
QY 181 IDKCKFDFLAIYDGPSTNSGLIGOVCGRVPTFPSSNSLTVLSTDIANSYRGFSY 240
Db 203 IDKCKFDFLAIYDGPSTNSGLIGOVCGRVPTFPSSNSLTVLSTDIANSYRGFSY 262
QY 241 TSIYAENINTSLTSSDRMRVVISKSYLEAFNSNGNLLQKDPCTCRPKLSNVVFFSVPL 300
Db 263 TSIYAENINTSLTSSDRMRVVISKSYLEAFNSNGNLLQKDPCTCRPKLSNVVFFSVPL 322
QY 301 NCGGIRKVEDOSIYTNITTSASSTSEVITRQKQLQIIVKCEGHNSTVEIITYTEDD 360
Db 323 NCGGIRKVEDOSIYTNITTSASSTSEVITRQKQLQIIVKCEGHNSTVEIITYTEDD 382
QY 361 VTQSQNALGKXNTSMALFESNFEKTTLESPPYVDNLNQTFLFVQVSLHSDPNLVFLDTC 420
Db 383 VTQSQNALGKXNTSMALFESNFEKTTLESPPYVDNLNQTFLFVQVSLHSDPNLVFLDTC 442
QY 421 RASPTSDPASPYVDLIKSCGSRDETCVPLFGHVGROFNPAFKLRMSVYLCKVLI 480
Db 443 RASPTSDPASPYVDLIKSCGSRDETCVPLFGHVGROFNPAFKLRMSVYLCKVLI 502
QY 481 CDSHDSHRCNQCVRSKRDISSYKWKTDISIIGPIRLKDRSASGNSGFQHETHAETP 540
Db 503 CDSHDSHRCNQCVRSKRDISSYKWKTDISIIGPIRLKDRSASGNSGFQHETHAETP 562
QY 541 NQPFNSVHLFSEFMVLALNVVTVATITVRHFVNQRADYKQKQNY 585
Db 563 NQPFNSVHLFSEFMVLALNVVTVATITVRHFVNQRADYKQKQNY 607

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RESULT 6

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US-09-907-824-190
; Sequence 190, Application US/09907824
; Publication No. US20020197671A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas P.
; APPLICANT: Roy, Margaret Ann.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,824
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1998-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05

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; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 190
; LENGTH: 607
; TYPE: PRT
; ORGANISM: Homo Sapien
US-09-907-824-190

Query Match      100.0%; Score 3064; DB 9; Length 607;
Best Local Similarity 100.0%; Pred. No. 1.8e-276;
Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAEAGNASCCTVSLGGANMAETHKAMILQLNPSENCTWTIERPENKSIIRIIFSVQLDDPD 60
DB 23 MAEAGNASCCTVSLGGANMAETHKAMILQLNPSENCTWTIERPENKSIIRIIFSVQLDDPD 82
QY 61 GSCSEENIKVFDGTSNGPLLGQVCSKNDYVVPFESSSTLTFOIVTDSARIQRTVFVY 120
DB 83 GSCSEENIKVFDGTSNGPLLGQVCSKNDYVVPFESSSTLTFOIVTDSARIQRTVFVY 142
QY 121 YFFSPNISIPNCGGYLDTLEGSTSPNYPKHPHPLAYCVMHIQVEKDYKIKLNFKEIFLE 180
DB 143 YFFSPNISIPNCGGYLDTLEGSTSPNYPKHPHPLAYCVMHIQVEKDYKIKLNFKEIFLE 202
QY 181 IDKCKPFDLAIYDGPSTNSGLIGQVCGRTVPTPESSSSNLTIVLSTDYANSYRGFSASY 240
DB 203 IDKCKPFDLAIYDGPSTNSGLIGQVCGRTVPTPESSSSNLTIVLSTDYANSYRGFSASY 262
QY 241 TSIYAENINTTSLTCSDDRMVVIISKYLEAFNNGNNLQKOPTCRPKLSNVVFSVPL 300
DB 263 TSIYAENINTTSLTCSDDRMVVIISKYLEAFNNGNNLQKOPTCRPKLSNVVFSVPL 322
QY 301 NGCGTIRKVEDQSIITYNNIITFSASSTSEVITROKQIQIIVKCEMGNSTVEIYYITEDD 360
DB 323 NGCGTIRKVEDQSIITYNNIITFSASSTSEVITROKQIQIIVKCEMGNSTVEIYYITEDD 382
QY 361 VIQSQNALGKYNSTMALPESNSFEKTILESPPYYDLNQTLFVQVSLHTSDPNLWFLDTC 420
DB 383 VIQSQNALGKYNSTMALPESNSFEKTILESPPYYDLNQTLFVQVSLHTSDPNLWFLDTC 442

RESULT 7
US-09-907-841-190
; Sequence 190, Application US/09907841
; Publication No. US20020198366A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Giang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
```

```

; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas P.
; APPLICANT: ROY, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,841
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 190
; LENGTH: 607
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-907-841-190

Query Match      100.0%; Score 3064; DB 9; Length 607;
Best Local Similarity 100.0%; Pred. No. 1.8e-276;
Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAEAGNASCCTVSLGGANMAETHKAMILQLNPSENCTWTIERPENKSIIRIIFSVQLDDPD 60
DB 23 MAEAGNASCCTVSLGGANMAETHKAMILQLNPSENCTWTIERPENKSIIRIIFSVQLDDPD 82
QY 61 GSCSEENIKVFDGTSNGPLLGQVCSKNDYVVPFESSSTLTFOIVTDSARIQRTVFVY 120
DB 83 GSCSEENIKVFDGTSNGPLLGQVCSKNDYVVPFESSSTLTFOIVTDSARIQRTVFVY 142
QY 121 YFFSPNISIPNCGGYLDTLEGSTSPNYPKHPHPLAYCVMHIQVEKDYKIKLNFKEIFLE 180
DB 143 YFFSPNISIPNCGGYLDTLEGSTSPNYPKHPHPLAYCVMHIQVEKDYKIKLNFKEIFLE 202
QY 181 IDKCKPFDLAIYDGPSTNSGLIGQVCGRTVPTPESSSSNLTIVLSTDYANSYRGFSASY 240
DB 203 IDKCKPFDLAIYDGPSTNSGLIGQVCGRTVPTPESSSSNLTIVLSTDYANSYRGFSASY 262
QY 241 TSIYAENINTTSLTCSDDRMVVIISKYLEAFNNGNNLQKOPTCRPKLSNVVFSVPL 300
DB 263 TSIYAENINTTSLTCSDDRMVVIISKYLEAFNNGNNLQKOPTCRPKLSNVVFSVPL 322
QY 301 NGCGTIRKVEDQSIITYNNIITFSASSTSEVITROKQIQIIVKCEMGNSTVEIYYITEDD 360
DB 323 NGCGTIRKVEDQSIITYNNIITFSASSTSEVITROKQIQIIVKCEMGNSTVEIYYITEDD 382
QY 361 VIQSQNALGKYNSTMALPESNSFEKTILESPPYYDLNQTLFVQVSLHTSDPNLWFLDTC 420
DB 383 VIQSQNALGKYNSTMALPESNSFEKTILESPPYYDLNQTLFVQVSLHTSDPNLWFLDTC 442
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QY 421 RASPTSDPASPTDYLKSGCSRDETCCKVYPLFGHYGRFOFNAFKFLRSMSSVYLQCKVLI 480
 Db 443 RASPTSDPASPTDYLKSGCSRDETCCKVYPLFGHYGRFOFNAFKFLRSMSSVYLQCKVLI 502
 QY 481 CDSHDQSRNCGCVSRKRDSSVYKWKTDSTIIIGIRLKRDRSASGNSGFQFETHAETP 540
 Db 503 CDSHDQSRNCGCVSRKRDSSVYKWKTDSTIIIGIRLKRDRSASGNSGFQFETHAETP 562
 QY 541 NQPFNSVHLFSEFWLALANVTVATITVRHFVNQRADYKYQKQNY 585
 Db 563 NQPFNSVHLFSEFWLALANVTVATITVRHFVNQRADYKYQKQNY 607

RESULT 8

US-09-904-011-190
 ; Sequence 190, Application US/09904011
 ; Publication No. US2003000330A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth, J.
 ; APPLICANT: Kljavin, Ivar J.
 ; APPLICANT: Mather, Jennie P.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; FILE OF INVENTION: Acids Encoding the Same
 ; FILE REFERENCE: 10466-14
 ; CURRENT APPLICATION NUMBER: US/09/904,011
 ; CURRENT FILING DATE: 2001-07-11
 ; PRIOR APPLICATION NUMBER: 09/665,350
 ; PRIOR FILING DATE: 2000-09-18
 ; PRIOR APPLICATION NUMBER: PCT/US00/04414
 ; PRIOR FILING DATE: 2000-02-22
 ; PRIOR APPLICATION NUMBER: US 60/143,048
 ; PRIOR FILING DATE: 1999-07-07
 ; PRIOR APPLICATION NUMBER: US 60/145,698
 ; PRIOR FILING DATE: 1999-07-26
 ; PRIOR APPLICATION NUMBER: US 60/146,222
 ; PRIOR FILING DATE: 1999-07-28
 ; PRIOR APPLICATION NUMBER: PCT/US99/20594
 ; PRIOR FILING DATE: 1999-09-08
 ; PRIOR APPLICATION NUMBER: PCT/US99/20944
 ; PRIOR FILING DATE: 1999-09-13
 ; PRIOR APPLICATION NUMBER: PCT/US99/21090
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/21547
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/23089
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: PCT/US99/28214
 ; PRIOR FILING DATE: 1999-11-29
 ; PRIOR APPLICATION NUMBER: PCT/US99/28313
 ; PRIOR FILING DATE: 1999-11-30

; PRIOR APPLICATION NUMBER: PCT/US99/28564
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 190
 ; LENGTH: 607
 ; TYPE: PRT
 ; ORGANISM: Homo Sapien
 ; US-09-904-011-190
 Query Match 100.0%; Score 3064; DB 10; Length 607;
 Best Local Similarity 100.0%; Pred. No. 1.8e-276;
 Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MAAEAGNACTVSLGGANNAETHKAMILQLNPSENCTWTIERPENKSIIRIIPSYQLDPD 60
 Db 23 MAAEAGNACTVSLGGANNAETHKAMILQLNPSENCTWTIERPENKSIIRIIPSYQLDPD 82
 QY 61 GSCSENIKVFDTGTSNGPLLGVCVKNDYVPFSSSSTLTFOJVTDSARIQRTVVFY 120
 Db 83 GSCSENIKVFDTGTSNGPLLGVCVKNDYVPFSSSSTLTFOJVTDSARIQRTVVFY 142
 QY 121 YFPSPNISIPNCGGYLDTLEGSTSPNYPKPHPELAYCVWHIQVEKDYKIKLNFKEIFLE 180
 Db 143 YFPSPNISIPNCGGYLDTLEGSTSPNYPKPHPELAYCVWHIQVEKDYKIKLNFKEIFLE 202
 QY 181 IDKQCKFDLAYDGPSTNSGLIGQVCGRVPTFPSSNSLTVLSTYANSYRGFSASY 240
 Db 203 IDKQCKFDLAYDGPSTNSGLIGQVCGRVPTFPSSNSLTVLSTYANSYRGFSASY 262
 QY 241 TSIYAENINTSLTCSDDRMVVIISKYLEAFNSGNNLQDKPTCRPKLSNVVEFSVPL 300
 Db 263 TSIYAENINTSLTCSDDRMVVIISKYLEAFNSGNNLQDKPTCRPKLSNVVEFSVPL 322
 QY 301 NGCGTIRKVEDQSITVTNIITFSASSTSEVITROKLOIIVKCEMGNHSTVEIITITDD 360
 Db 323 NGCGTIRKVEDQSITVTNIITFSASSTSEVITROKLOIIVKCEMGNHSTVEIITITDD 382
 QY 361 VIQSONALCKYNTSMALPESNSPEKTILESPIYVDLNTLFOVSLHTSDPMLVFLDTC 420
 Db 383 VIQSONALCKYNTSMALPESNSPEKTILESPIYVDLNTLFOVSLHTSDPMLVFLDTC 442
 QY 421 RASPTSDPASPTDYLKSGCSRDETCCKVYPLFGHYGRFOFNAFKFLRSMSSVYLQCKVLI 480
 Db 443 RASPTSDPASPTDYLKSGCSRDETCCKVYPLFGHYGRFOFNAFKFLRSMSSVYLQCKVLI 502
 QY 481 CDSHDQSRNCGCVSRKRDSSVYKWKTDSTIIIGIRLKRDRSASGNSGFQFETHAETP 540
 Db 503 CDSHDQSRNCGCVSRKRDSSVYKWKTDSTIIIGIRLKRDRSASGNSGFQFETHAETP 562
 QY 541 NQPFNSVHLFSEFWLALANVTVATITVRHFVNQRADYKYQKQNY 585
 Db 563 NQPFNSVHLFSEFWLALANVTVATITVRHFVNQRADYKYQKQNY 607

RESULT 9

US-09-906-742-190
 ; Sequence 190, Application US/09906742
 ; Publication No. US20030023054A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, A.
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth J.
 APPLICANT: Kljavin, Ivar J.
 APPLICANT: Mather, Jennie P.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William, I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 TITLE OF INVENTION: Acids Encoding the Same
 FILE REFERENCE: 10466-14
 CURRENT APPLICATION NUMBER: US/09/906,742
 PRIOR FILING DATE: 2001-07-16
 PRIOR APPLICATION NUMBER: 09/665,350
 PRIOR FILING DATE: 2000-09-18
 PRIOR APPLICATION NUMBER: PCT/US00/04414
 PRIOR FILING DATE: 2000-02-22
 PRIOR APPLICATION NUMBER: US 60/143,048
 PRIOR FILING DATE: 1999-07-07
 PRIOR APPLICATION NUMBER: US 60/145,698
 PRIOR FILING DATE: 1999-07-26
 PRIOR APPLICATION NUMBER: US 60/146,222
 PRIOR FILING DATE: 1999-07-28
 PRIOR APPLICATION NUMBER: PCT/US99/20594
 PRIOR FILING DATE: 1999-09-08
 PRIOR APPLICATION NUMBER: PCT/US99/20944
 PRIOR FILING DATE: 1999-09-13
 PRIOR APPLICATION NUMBER: PCT/US99/21090
 PRIOR FILING DATE: 1999-09-15
 PRIOR APPLICATION NUMBER: PCT/US99/21547
 PRIOR FILING DATE: 1999-09-15
 PRIOR APPLICATION NUMBER: PCT/US99/23089
 PRIOR FILING DATE: 1999-10-05
 PRIOR APPLICATION NUMBER: PCT/US99/28214
 PRIOR FILING DATE: 1999-11-29
 PRIOR APPLICATION NUMBER: PCT/US99/28313
 PRIOR FILING DATE: 1999-11-30
 PRIOR APPLICATION NUMBER: PCT/US99/28564
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/28565
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/30095
 PRIOR FILING DATE: 1999-12-16
 PRIOR APPLICATION NUMBER: PCT/US99/30911
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US99/30999
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US00/00219
 PRIOR FILING DATE: 2000-01-05
 NUMBER OF SEQ ID NOS: 423
 SEQ ID NO 190
 LENGTH: 607
 TYPE: PRT
 ORGANISM: Homo Sapien
 US-09-906-742-190

Query Match 100.0%; Score 3064; DB 10; Length 607;
 Best Local Similarity 100.0%; Pred. No. 1.8e-276;
 Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 MAEAEGNASCTVSLGGANMAETHKAMILQLNPSENCTWTIERPENKSIIRIIISYVOLDPD 60
 23 MAEAEGNASCTVSLGGANMAETHKAMILQLNPSENCTWTIERPENKSIIRIIISYVOLDPD 82
 61 GCSESENIKVFDTSSNGPLLGQVCSKNDYVPVFSSSSSTLTFQIVTDSARQRTVFVY 120
 83 GCSESENIKVFDTSSNGPLLGQVCSKNDYVPVFSSSSSTLTFQIVTDSARQRTVFVY 142
 121 YFFSPNISIPNCGGYLDTLEGGSFTSPNPKPPELAYCVWHIQVEKDYKIKLNFKEIFLE 180
 143 YFFSPNISIPNCGGYLDTLEGGSFTSPNPKPPELAYCVWHIQVEKDYKIKLNFKEIFLE 202
 181 IDQCKDFDLAIYDGPSTNSGLIGQVCGRVPTFFSSSSNSLTVLSTDYANSYRGFSASY 240
 203 IDQCKDFDLAIYDGPSTNSGLIGQVCGRVPTFFSSSSNSLTVLSTDYANSYRGFSASY 262
 241 TSIYAENINTSLTCSDDMRVLIISKYLEAFNSNGNQLQDKPTCRPKLSNVVFSVPL 300
 263 TSIYAENINTSLTCSDDMRVLIISKYLEAFNSNGNQLQDKPTCRPKLSNVVFSVPL 322
 301 NGCGTIRKVEDQSITYTNIITFSASSTSEVITRQKQLQIIVKCEMHNSTVEIITDEDD 360
 323 NGCGTIRKVEDQSITYTNIITFSASSTSEVITRQKQLQIIVKCEMHNSTVEIITDEDD 382
 361 VIQSNALGKYNSTSMALFESNSFEKTILESPPYVDLNOTLFOVSLHSDPNLVFLDTC 420
 383 VIQSNALGKYNSTSMALFESNSFEKTILESPPYVDLNOTLFOVSLHSDPNLVFLDTC 442
 421 RASPTGDFASPTVDLIKSGCSRDETCVKYPLFGHGRFOFNAFKFLRSMSSVYLCKVLI 480
 443 RASPTGDFASPTVDLIKSGCSRDETCVKYPLFGHGRFOFNAFKFLRSMSSVYLCKVLI 502
 481 CDSDDHQRNCNQCVRSKRDISSYKWKTDLSIIGIRLKRDSASGSGFQHETHAETP 540
 503 CDSDDHQRNCNQCVRSKRDISSYKWKTDLSIIGIRLKRDSASGSGFQHETHAETP 562
 541 NQPFNSVHLFSFVNLALNVTVTATITVRHFVNQRADYKYQKIQNY 585
 563 NQPFNSVHLFSFVNLALNVTVTATITVRHFVNQRADYKYQKIQNY 607

RESULT 10

US-09-906-838-190
 ; Sequence 190, Application US/09906838
 ; Publication No. US20030027143A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth J.
 ; APPLICANT: Kljavin, Ivar J.
 ; APPLICANT: Mather, Jennie P.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; TITLE OF INVENTION: Acids Encoding the Same

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; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,838
; CURRENT FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 190
; LENGTH: 607
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-09-906-838-190

Query Match 100.0%; Score 3064; DB 10; Length 607;
Best Local Similarity 100.0%; Pred. No. 1.8e-276; Indels 0; Gaps 0;
Matches 585; Conservative 0; Mismatches 0

QY 1 MAEAGNASCTVSLGGANMAETHKAMILQLNPSNCTWTIERPENKSIIRIIFSVYQLDPD 60
DB 23 MAEAGNASCTVSLGGANMAETHKAMILQLNPSNCTWTIERPENKSIIRIIFSVYQLDPD 82
QY 61 GSCSENIKVFQDSTSGPLLGQVCSKNDYVPVFSSSSTLTFOIVTDSARIQTVFVFY 120
DB 83 GSCSENIKVFQDSTSGPLLGQVCSKNDYVPVFSSSSTLTFOIVTDSARIQTVFVFY 142
QY 121 YFFSPNISIPNCGGYLDTLEGFTSPNPKPPELAYCWWHQVEKDYKIKLNFKEIFLE 180
DB 143 YFFSPNISIPNCGGYLDTLEGFTSPNPKPPELAYCWWHQVEKDYKIKLNFKEIFLE 202
QY 181 IDKQCFDLAIYDGPSTNSGLIGQVCGRVTTFFSSNSLTIVLSTDYANSYRGFSASY 240
DB 203 IDKQCFDLAIYDGPSTNSGLIGQVCGRVTTFFSSNSLTIVLSTDYANSYRGFSASY 262
QY 241 TSYAENINTTSLTSCSDRMVLIISKYLEAFNSGNLQLKDPCTCRPKLSNVVEFSVPL 300
DB 263 TSYAENINTTSLTSCSDRMVLIISKYLEAFNSGNLQLKDPCTCRPKLSNVVEFSVPL 322
QY 301 NGCGTTRKVEDQSITVNTIITSASSTSEVITRQKQLQIIVKCEMGNHSTVEIIVITBDD 360
DB 323 NGCGTTRKVEDQSITVNTIITSASSTSEVITRQKQLQIIVKCEMGNHSTVEIIVITBDD 382
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RESULT 11

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US-09-907-613-190
; Sequence 190, Application US/09907613
; Publication No. US20030027145A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: KJavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,613
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
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QY 361 VIOQNALGKYNSTSMALFESNSPEKTIRESPPYVDLNQTLFVQVSLHTSDPNLVFLDTC 420
DB 383 VIOQNALGKYNSTSMALFESNSPEKTIRESPPYVDLNQTLFVQVSLHTSDPNLVFLDTC 442
QY 421 RASPTSDPASPTVDLIKSGCSRDETCKVYPLFGHYGRFOFNAPKFLRSMSSVYLQCKVLI 480
DB 443 RASPTSDPASPTVDLIKSGCSRDETCKVYPLFGHYGRFOFNAPKFLRSMSSVYLQCKVLI 502
QY 481 CDSDDHQSRNCQGVSRKEDISSYKWKTDSSIIGPIRLKDRSASGNSGFQETHAEETP 540
DB 503 CDSDDHQSRNCQGVSRKEDISSYKWKTDSSIIGPIRLKDRSASGNSGFQETHAEETP 562
QY 541 NQPFNSVHLFSFMVLALNVVTVATITVRHFVNQRADYKYQKQNY 585
DB 563 NQPFNSVHLFSFMVLALNVVTVATITVRHFVNQRADYKYQKQNY 607
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; PRIOR APPLICATION NUMBER: PCT/US99/28313
 ; PRIOR FILING DATE: 1999-11-30
 ; PRIOR APPLICATION NUMBER: PCT/US99/28564
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 190
 ; LENGTH: 607
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-907-613-190

Query Match 100.0%; Score 3064; DB 10; Length 607;
 Best Local Similarity 100.0%; Pred. No. 1.8e-276;
 Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MAAEGNACTVSLGANNMAETHKAMILQLNPSENCTWTIERPENKSIIRIIFSVQLDDP	60
DB	23	MAAEGNACTVSLGANNMAETHKAMILQLNPSENCTWTIERPENKSIIRIIFSVQLDDP	82
QY	61	GSCESENKIVFGDTSNGPGLQVCSKNDYVPFESSSTLTFTQVTDARSRIQRTVFVY	120
DB	83	GSCESENKIVFGDTSNGPGLQVCSKNDYVPFESSSTLTFTQVTDARSRIQRTVFVY	142
QY	121	YFSPNISTPNCGGVLDLTGFTSPNPKPPELAYCWHIQLVQEKYKIKLNKEIFLE	180
DB	143	YFSPNISTPNCGGVLDLTGFTSPNPKPPELAYCWHIQLVQEKYKIKLNKEIFLE	202
QY	181	IDKQCKFDLAIYDGPSTNSGLIGQVCGRVPTPSSNSLTIVLSTDYANSYRGFSASY	240
DB	203	IDKQCKFDLAIYDGPSTNSGLIGQVCGRVPTPSSNSLTIVLSTDYANSYRGFSASY	262
QY	241	TSIYAENINTSLTSSDRMRVILSKYLEAFNSNGNQLQKDPCTCRPKLSNVVFSVPL	300
DB	263	TSIYAENINTSLTSSDRMRVILSKYLEAFNSNGNQLQKDPCTCRPKLSNVVFSVPL	322
QY	301	NGCGTIRKVEDOSITVNIITFSASTSEVITRQKLOLIIVKCEGNHSTVEIIVITEDD	360
DB	323	NGCGTIRKVEDOSITVNIITFSASTSEVITRQKLOLIIVKCEGNHSTVEIIVITEDD	382
QY	361	VIQSQNALGKYNSTSMALFESNFEKTIILSPYYVDLNTLFFVQSLHTSDPNLVFLDTC	420
DB	383	VIQSQNALGKYNSTSMALFESNFEKTIILSPYYVDLNTLFFVQSLHTSDPNLVFLDTC	442
QY	421	RASPTSDFASPYDILIKSCSDECKVYPLFGHYGRQFNAFKFLRSMSSVYLQCKVLI	480
DB	443	RASPTSDFASPYDILIKSCSDECKVYPLFGHYGRQFNAFKFLRSMSSVYLQCKVLI	502
QY	481	CDSSDHQSRNCGCVSRSKRDISSYKWKTDTSIIGPIRLKDRSASGNSGFQETHAEETP	540
DB	503	CDSSDHQSRNCGCVSRSKRDISSYKWKTDTSIIGPIRLKDRSASGNSGFQETHAEETP	562
QY	541	NOFPNSVHLFSPMVLALNVVTTATTVRHFVNQRADYKYLQNY	585
DB	563	NOFPNSVHLFSPMVLALNVVTTATTVRHFVNQRADYKYLQNY	607

RESULT 12
 US-09-907-942-190
 ; Sequence 190, Application US/09907942
 ; Publication No. US20030027146A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth, J.
 ; APPLICANT: Kijavlin, Ivar J.
 ; APPLICANT: Mather, Jennie P.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; FILE REFERENCE: 10466-14
 ; CURRENT APPLICATION NUMBER: US/09/907,942
 ; CURRENT FILING DATE: 2002-01-22
 ; PRIOR APPLICATION NUMBER: PCT/US00/04414
 ; PRIOR FILING DATE: 2000-02-22
 ; PRIOR APPLICATION NUMBER: US 60/143,048
 ; PRIOR FILING DATE: 1999-07-07
 ; PRIOR APPLICATION NUMBER: US 60/145,698
 ; PRIOR FILING DATE: 1999-07-26
 ; PRIOR APPLICATION NUMBER: US 60/146,222
 ; PRIOR FILING DATE: 1999-07-28
 ; PRIOR APPLICATION NUMBER: PCT/US99/20594
 ; PRIOR FILING DATE: 1999-09-08
 ; PRIOR APPLICATION NUMBER: PCT/US99/20944
 ; PRIOR FILING DATE: 1999-09-13
 ; PRIOR APPLICATION NUMBER: PCT/US99/21090
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/21547
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/23089
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: PCT/US99/28214
 ; PRIOR FILING DATE: 1999-11-29
 ; PRIOR APPLICATION NUMBER: PCT/US99/28313
 ; PRIOR FILING DATE: 1999-11-30
 ; PRIOR APPLICATION NUMBER: PCT/US99/28564
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 190
 ; LENGTH: 607
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-907-942-190

Query Match 100.0%; Score 3064; DB 10; Length 607;
 Best Local Similarity 100.0%; Pred. No. 1.8e-276;
 Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAEAGNASCCTVSLGGANNAETHKAMILQNLNPSNCTWTIERPENKSIIRIIFSVQLDPPD 60
 Db 23 MAEAGNASCCTVSLGGANNAETHKAMILQNLNPSNCTWTIERPENKSIIRIIFSVQLDPPD 82
 QY 61 GSCSENIKVPDGTSSNGPLLGQVCSKNDYVVPFESSSTLTFOIVTDSARIQRTVFVY 120
 Db 83 GSCSENIKVPDGTSSNGPLLGQVCSKNDYVVPFESSSTLTFOIVTDSARIQRTVFVY 142
 QY 121 YFFSPNISIPNCGGYLDLTGSGFTSPNYPKPHPELAYCVMHIQVEKDYKIKLNFKEIFLE 180
 Db 143 YFFSPNISIPNCGGYLDLTGSGFTSPNYPKPHPELAYCVMHIQVEKDYKIKLNFKEIFLE 202
 QY 181 IDKQCKPFLAYDGPSTNSGLIGOVCGVTPPTFESSNSLTVLSTDYANSYRGFSASY 240
 Db 203 IDKQCKPFLAYDGPSTNSGLIGOVCGVTPPTFESSNSLTVLSTDYANSYRGFSASY 262
 QY 241 TSIYAENINTSLTSSDRMRVVISKSYLEAFNSNGNQLKDPCTCRPKLSNVVFSVPL 300
 Db 263 TSIYAENINTSLTSSDRMRVVISKSYLEAFNSNGNQLKDPCTCRPKLSNVVFSVPL 322
 QY 301 NGCGTIRKVEDOSITYTNIITFSSASTSEVITROKQLOIIVKCEMHNSTVEIITIEDD 360
 Db 323 NGCGTIRKVEDOSITYTNIITFSSASTSEVITROKQLOIIVKCEMHNSTVEIITIEDD 382
 QY 361 VIQSONALGKNTSMALFESNFETKILFESPVYVDLNOTLFOVSLHTSDPNLVFLDTC 420
 Db 383 VIQSONALGKNTSMALFESNFETKILFESPVYVDLNOTLFOVSLHTSDPNLVFLDTC 442
 QY 421 RASPTSDPASPPTDYLIKSGCRDETCKVYPLFGHYGRFQFNAFKFLRSMSSVYLQCKVLI 480
 Db 443 RASPTSDPASPPTDYLIKSGCRDETCKVYPLFGHYGRFQFNAFKFLRSMSSVYLQCKVLI 502
 QY 481 CDSSPHQRNCGVRSRKRDISSYKWKTDISIIGPIRLKDRSASGNSGFOHETHAETP 540
 Db 503 CDSSPHQRNCGVRSRKRDISSYKWKTDISIIGPIRLKDRSASGNSGFOHETHAETP 562
 QY 541 NOPFNSVHLFSPMLALNVVTATITVRHFVNQADYKYLQNY 585
 Db 563 NOPFNSVHLFSPMLALNVVTATITVRHFVNQADYKYLQNY 607

RESULT 13

US-09-904-859-190
 ; Sequence 190, Application US/09904859
 ; Publication No. US200300306060A1
 ; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth J.
 ; APPLICANT: Kljavin, Ivar J.
 ; APPLICANT: Mather, Jennie P.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; TITLE OF INVENTION: Acids Encoding the Same

FILE REFERENCE: 10466-14
 ; CURRENT APPLICATION NUMBER: US/09/904,859
 ; CURRENT FILING DATE: 2001-07-12
 ; PRIOR APPLICATION NUMBER: 09/665,350
 ; PRIOR FILING DATE: 2000-09-18
 ; PRIOR APPLICATION NUMBER: PCT/US00/04414
 ; PRIOR FILING DATE: 2000-02-22
 ; PRIOR APPLICATION NUMBER: US 60/143,048
 ; PRIOR FILING DATE: 1999-07-07
 ; PRIOR APPLICATION NUMBER: US 60/145,698
 ; PRIOR FILING DATE: 1999-07-26
 ; PRIOR APPLICATION NUMBER: US 60/146,222
 ; PRIOR FILING DATE: 1999-07-28
 ; PRIOR APPLICATION NUMBER: PCT/US99/20594
 ; PRIOR FILING DATE: 1999-09-08
 ; PRIOR APPLICATION NUMBER: PCT/US99/20944
 ; PRIOR FILING DATE: 1999-09-13
 ; PRIOR APPLICATION NUMBER: PCT/US99/21090
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/21547
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/23089
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: PCT/US99/28214
 ; PRIOR FILING DATE: 1999-11-29
 ; PRIOR APPLICATION NUMBER: PCT/US99/28313
 ; PRIOR FILING DATE: 1999-11-30
 ; PRIOR APPLICATION NUMBER: PCT/US99/28564
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 190
 ; LENGTH: 607
 ; TYPE: PRT
 ; ORGANISM: Homo Sapien
 ; US-09-904-859-190

Query Match 100.0%; Score 3064; DB 10; Length 607;
 Best Local Similarity 100.0%; Pred. No. 1.8e-276;
 Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAEAGNASCCTVSLGGANNAETHKAMILQNLNPSNCTWTIERPENKSIIRIIFSVQLDPPD 60
 Db 23 MAEAGNASCCTVSLGGANNAETHKAMILQNLNPSNCTWTIERPENKSIIRIIFSVQLDPPD 82
 QY 61 GSCSENIKVPDGTSSNGPLLGQVCSKNDYVVPFESSSTLTFOIVTDSARIQRTVFVY 120
 Db 83 GSCSENIKVPDGTSSNGPLLGQVCSKNDYVVPFESSSTLTFOIVTDSARIQRTVFVY 142
 QY 121 YFFSPNISIPNCGGYLDLTGSGFTSPNYPKPHPELAYCVMHIQVEKDYKIKLNFKEIFLE 180
 Db 143 YFFSPNISIPNCGGYLDLTGSGFTSPNYPKPHPELAYCVMHIQVEKDYKIKLNFKEIFLE 202
 QY 181 IDKQCKPFLAYDGPSTNSGLIGOVCGVTPPTFESSNSLTVLSTDYANSYRGFSASY 240
 Db 203 IDKQCKPFLAYDGPSTNSGLIGOVCGVTPPTFESSNSLTVLSTDYANSYRGFSASY 262
 QY 241 TSIYAENINTSLTSSDRMRVVISKSYLEAFNSNGNQLKDPCTCRPKLSNVVFSVPL 300
 Db 263 TSIYAENINTSLTSSDRMRVVISKSYLEAFNSNGNQLKDPCTCRPKLSNVVFSVPL 322
 QY 301 NGCGTIRKVEDOSITYTNIITFSSASTSEVITROKQLOIIVKCEMHNSTVEIITIEDD 360
 Db 323 NGCGTIRKVEDOSITYTNIITFSSASTSEVITROKQLOIIVKCEMHNSTVEIITIEDD 382

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QY 361 VIOSNALGKNTSMALFESNFKETILESPPYVDLNLQTLFVQVSLHTSDPNLWVFLDTC 420
Db 383 VIOSNALGKNTSMALFESNFKETILESPPYVDLNLQTLFVQVSLHTSDPNLWVFLDTC 442
QY 421 RASPTSDPASPTYDLIKSGCSRDETCVKYPLFGHYGRFQFNAPKFLRSMSSVYLQCKVLI 480
Db 443 RASPTSDPASPTYDLIKSGCSRDETCVKYPLFGHYGRFQFNAPKFLRSMSSVYLQCKVLI 502
QY 481 CDSDDHQRNOCQCVSRKRDISSYKWKTDISIIGPIRLKDRSASGNSGFQHETHAETP 540
Db 503 CDSDDHQRNOCQCVSRKRDISSYKWKTDISIIGPIRLKDRSASGNSGFQHETHAETP 562
QY 541 NQPFNSVHLFSFWLALNVVTVATITVRHFVNQRADYKYQKQNY 585
Db 563 NQPFNSVHLFSFWLALNVVTVATITVRHFVNQRADYKYQKQNY 607

RESULT 14
US-09-909-204-190
; Sequence 190, Application US/09909204
; Publication No. US20030036061A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Klijavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909,204
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
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; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 190
; LENGTH: 607
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-909-204-190

Query Match 100.0%; Score 3064; DB 10; Length 607;
Best Local Similarity 100.0%; Pred. No. 1.8e-276;
Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAEAEAGNASCCTVSLGGANMAETHKAMILQLNPSENCTWTIERPENKSIIRIFSVQLDDPD 60
Db 23 MAEAEAGNASCCTVSLGGANMAETHKAMILQLNPSENCTWTIERPENKSIIRIFSVQLDDPD 82
QY 61 GCSESENIKVPDGTSSNGPLLGQVCSKNDYVVPVPESSSSTLTQIVTDSARIQRTVFVY 120
Db 83 GCSESENIKVPDGTSSNGPLLGQVCSKNDYVVPVPESSSSTLTQIVTDSARIQRTVFVY 142
QY 121 YFFSPNISIPNCGGYLDLTGSGFTSPNYPKPHPELAYCVWHIQVEKDYKIKLNPKEIFLE 180
Db 143 YFFSPNISIPNCGGYLDLTGSGFTSPNYPKPHPELAYCVWHIQVEKDYKIKLNPKEIFLE 202
QY 181 IDKQCKFDPLAIYDGPSTNSGLIGQVCGRVPTTPESSNSLTIVLSTDYANSYRGFSASY 240
Db 203 IDKQCKFDPLAIYDGPSTNSGLIGQVCGRVPTTPESSNSLTIVLSTDYANSYRGFSASY 262
QY 241 TSIYAENINTSLTCSDDRMVVISKYLEAFNNGNGLQKPTCRPKLSNVVFEFSVPL 300
Db 263 TSIYAENINTSLTCSDDRMVVISKYLEAFNNGNGLQKPTCRPKLSNVVFEFSVPL 322
QY 301 NCGGTIRKVEDOSITYTNIITFSASSTSEVITROKQIQIIVKCEMGNSTVEIITIEDD 360
Db 323 NCGGTIRKVEDOSITYTNIITFSASSTSEVITROKQIQIIVKCEMGNSTVEIITIEDD 382
QY 361 VIOSNALGKNTSMALFESNFKETILESPPYVDLNLQTLFVQVSLHTSDPNLWVFLDTC 420
Db 383 VIOSNALGKNTSMALFESNFKETILESPPYVDLNLQTLFVQVSLHTSDPNLWVFLDTC 442
QY 421 RASPTSDPASPTYDLIKSGCSRDETCVKYPLFGHYGRFQFNAPKFLRSMSSVYLQCKVLI 480
Db 443 RASPTSDPASPTYDLIKSGCSRDETCVKYPLFGHYGRFQFNAPKFLRSMSSVYLQCKVLI 502
QY 481 CDSDDHQRNOCQCVSRKRDISSYKWKTDISIIGPIRLKDRSASGNSGFQHETHAETP 540
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Db 563 NQPFNSVHLFSFWLALNVVTVATITVRHFVNQRADYKYQKQNY 607

RESULT 15
US-09-904-820-190
; Sequence 190, Application US/09904820
; Publication No. US20030036094A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
```

APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mathar, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/904,820
CURRENT FILING DATE: 2001-07-13
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
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PRIOR APPLICATION NUMBER: PCT/US99/23089
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PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 190
LENGTH: 607
TYPE: PRT
ORGANISM: Homo Sapien
US-09-904-820-190

Query Match 100.0%; Score 3064; DB 10; Length 607;
Best Local Similarity 100.0%; Pred. No. 1.8e-276;

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QY	121	YFFSPNISIPNCGGYLDLTLEGSFTSPNYPKPELAYCVMHIQVEKDYKIKLNKEIFLE	180						
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QY	241	TSIYAENINTSLTCCSSDRMRVILSKSYLEAFNSNGNNLQDKPTCRPKLSNVVEFSVPL	300						
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QY	361	VIOSONALGKYNSTWALFESNSFEKTILESPPYVDLNTLTFVQVSLHSDNLVFLDTC	420						
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QY	421	RASPTSDPASPTYDLIKSGCSRDETCVKYPLFGHYGRFQFNAFKFLRSMSSVYLQCKVLI	480						
Db	443	RASPTSDPASPTYDLIKSGCSRDETCVKYPLFGHYGRFQFNAFKFLRSMSSVYLQCKVLI	502						
QY	481	CDSSDHQSRCKQGCVSRSKRDISSYKWKTDIIIGPIRLKDRDRSASGNSGFQETHAETP	540						
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Search completed: February 18, 2004, 19:09:44
Job time : 260.375 secs

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: February 18, 2004, 18:57:43 ; Search time 126.75 Seconds
(without alignments)
2561.312 Million cell updates/sec

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Ygapop 10.0, Ygapext 0.5
Fgapop 6.0, Fgapext 7.0
Delop 6.0, Delext 7.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blomsum2 -TRANS=human40.cdi
-LIST=45 -DOCALLIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
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-NO_MMAP -LARGEQUERY -NEG_SCORES=0 -WAIT_DSBLBLOCK=100 -LONGLOG
-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREDS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
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Database : Issued Patents NA:
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6: /cgn2_6/prodata/2/ina/6D_COMB.seq:*

pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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2	3064	100.0	2917	4	US-09-905-125A-189
3	3064	100.0	2917	4	US-09-902-775A-189
4	1290	42.1	892	4	US-09-833-381-1918
5	842	27.5	4360	1	US-08-470-350B-1
6	837	27.3	5802	4	US-09-341-587-4
7	837	27.3	5943	4	US-09-976-594-272
8	701.5	22.9	518	4	US-09-833-381-1917
9	470.5	15.4	2001	4	US-09-341-587-2
10	293.5	9.6	11272	4	US-09-341-461-1
11	293	9.6	4771	2	US-08-866-650-2
12	293	9.6	4771	2	US-09-021-287-2

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Sequence 6, Appli
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ALIGNMENTS

RESULT 1
US-09-907-794A-189
; Sequence 189, Application US/09907794A
; Patent No. 6635468

GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,794A
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: PCT/US00/04414

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/ PRIOR FILING DATE: 2000-02-22
/ PRIOR APPLICATION NUMBER: US 60/143,048
/ PRIOR FILING DATE: 1999-07-07
/ PRIOR APPLICATION NUMBER: US 60/145,698
/ PRIOR FILING DATE: 1999-07-26
/ PRIOR APPLICATION NUMBER: US 60/146,222
/ PRIOR FILING DATE: 1999-07-28
/ PRIOR APPLICATION NUMBER: PCT/US99/20594
/ PRIOR FILING DATE: 1999-09-08
/ PRIOR APPLICATION NUMBER: PCT/US99/20944
/ PRIOR FILING DATE: 1999-09-13
/ PRIOR APPLICATION NUMBER: PCT/US99/21090
/ PRIOR FILING DATE: 1999-09-15
/ PRIOR APPLICATION NUMBER: PCT/US99/21547
/ PRIOR FILING DATE: 1999-09-15
/ PRIOR APPLICATION NUMBER: PCT/US99/23089
/ PRIOR FILING DATE: 1999-10-05
/ PRIOR APPLICATION NUMBER: PCT/US99/28214
/ PRIOR FILING DATE: 1999-11-29
/ PRIOR APPLICATION NUMBER: PCT/US99/28313
/ PRIOR FILING DATE: 1999-11-30
/ PRIOR APPLICATION NUMBER: PCT/US99/28564
/ PRIOR FILING DATE: 1999-12-02
/ PRIOR APPLICATION NUMBER: PCT/US99/28565
/ PRIOR FILING DATE: 1999-12-02
/ PRIOR APPLICATION NUMBER: PCT/US99/30095
/ PRIOR FILING DATE: 1999-12-16
/ PRIOR APPLICATION NUMBER: PCT/US99/30911
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US99/30999
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: PCT/US00/00219
/ PRIOR FILING DATE: 2000-01-05
/ NUMBER OF SEQ ID NOS: 423
/ SEQ ID NO 189
/ LENGTH: 2917
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ US-09-907-794A-189

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Alignment Scores:

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Score: 3064.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
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DB 1090 GAGACCCCAAGGCAATGATCCGCAACTCAATCCAGTGAGAACTGCACCTGGACAATA 1149
QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAspProAsp 60
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QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
DB 1210 GGAAGCTGTGAAGTGAAGCAATTAAGTCTTTGACGGAACCTCCAGCAATGGGCGCTCTG 1269
QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
DB 1270 CTAGGGCAAGTCTGAGTAAGAAACCACTATGTTCTGTATTTGAATCATCATCCAGTACA 1329
QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
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QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr 160
DB 1450 GGATCCTTCCAGCCCAATTTACCCAAAGCCGATCTCTGAGCTGGCTTATGTGTGTGG 1509
QY 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
DB 1510 CACATACAGTGGAGAGATTACAGATAAATCACTTCAAGAGATTTTCTTAGAA 1569
QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
DB 1570 ATAGACAAACAGTGCATAATTTGATTTCTTGCCATCTATGATGGCCCTCCACCACTCT 1629
QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerAsnSer 220
DB 1630 GGCCTGATTGGACAAGTCTGTGGCGGTGTGACTCCACCTTCGAATCTCATCAACTCT 1689
QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
DB 1690 CTGACTGTCTGTCTGTCTACAGATTATGCCAATTTTACCGGGGATTTTCTGCTTCTAC 1749
QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
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QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
DB 1810 AGAGTTATTATAAGCAATCTACCTAGAGGCTTTAACTCTAATGGGAATAACTTCAA 1869
QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
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DB 1930 AATGGATGTGTACATCATCAAGAGTAGAAGATCAGTCAATTAATTACCAATATAATC 1989
QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
DB 1990 ACCTTTTCTGATCTCTCAACTTCTGAGTGATCACTCCGCTCAGAAACCACTCCAGATTAT 2049
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DB 2050 GTGAAGTGTGAATGGGACATTAATTTCTACAGTGGAGATTAATATACATCAAGAGATGAT 2109
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DB 2110 GTAATACAAAGTCAAAATGCACTGGGCAATATAACACACAGCATGGCTCTTTTGAATCC 2169
QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
DB 2170 AATTCAATTTGAAAGACATATCTTGAATCACCATAATTAATGAGATTTGAAACCAACTCT 2229
QY 401 PheValGlnValSerIleHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
DB 2230 TTTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGGTGTCTTCTTGATACCTGT 2289
QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
DB 2290 AGAGCTCTCCACCTCTGACTTTGCATCTCCAACTCAGCACTTAATCAAGAGTGGATGT 2349
QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
DB 2350 AGTCGAGATGAACCTTTGAGGTGATCCCTTATTTGGACACTATGGGAGATTCAGATT 2409
QY 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
DB 2410 AATGCTTTTAAATTTCTGAGAAGTATGAGCTCTGTGTATCTGCGAGTGTAAAGTTTGTATA 2469

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QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCAGTACCACCACTCTCGCTGCAATCAAGTTGTGTCTCCAGAACCAACGA 2529
QY 501 AspIleSerSerThrLysThrLysThrLysThrLysThrLysThrLysThrLysThr 520
Db 2530 GACATTTCTTCATATAATGAAACAGATTCATCATAGACCCATCTGCTGAAAGG 2589
QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGlnThrHisAlaGluGluThrPro 540
Db 2590 GATCAAGTCAAGTGCATTCAGGATTCAGCATGAAACACATGCGGAAGAACTCCA 2649
QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACGAGCTTTCAACAGTGTGCATCTGTTTCTTCATGTTCTAGCTCTGAATGGTG 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspThrLysThrGln 580
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QY 581 LysLeuGlnAsnThr 585
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RESULT 2

US-09-905-125A-189
; Sequence 189, Application US/09905125A
; Patent No. 6664376
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kjaer, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905,125A
; CURRENT FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
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; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
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; PRIOR APPLICATION NUMBER: PCT/US99/21547
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; PRIOR APPLICATION NUMBER: PCT/US99/28214
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; PRIOR APPLICATION NUMBER: PCT/US99/28313
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; PRIOR APPLICATION NUMBER: PCT/US99/28564
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; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-905-125A-189
Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 3064.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0
US-09-864-711-14 (1-585) x US-09-905-125A-189 (1-2917)
QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
Db 1030 ATGGCGAGGCTGAAGGCATGCAAGCTGACAGTCACTAGGGGTGCCATATATGCA 1089
QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrThrIle 40
Db 1090 GAGACCCCAAAAGCCATGATCTGCAACTCAATCCAGTGAAGACTCAGCTGCAATA 1149
QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerThrValGlnLeuAspProAsp 60
Db 1150 GAAGACCCGAAACAAAGCATCAGATATCTTTCTTATGTCAGCTTGATCCAGAT 1209
QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
Db 1210 GGAAGCTGTGAAGTGAACAAACATTAAAGTCTTTGACGGAACCTCCAGCAATGGGCTCTG 1269
QY 81 LeuGlyGlnValCysSerLysAsnAspThrValProValPheGluSerSerSerThr 100
Db 1270 CTAGGCAAGTCTGCAGTAAACAGACTATGTTCTCTATTGATCATCATCCAGTACA 1329
QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheThr 120
Db 1330 TTGAGCTTTCAATAGTTACTGACTCAGCAAGAAATTCAGAGAACTGTCTTTGCTTCTAC 1389
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyThrLeuAspThrLeuGlu 140
Db 1390 TACTTCTCTCTCTAAACATCTCTATTCCAACTGTGGCGGTACCTGGATACCTGGAA 1449
QY 141 GlySerPheThrSerProAsnThrProLysProHisProGluLeuAlaThrCysValThr 160
Db 1450 GGAATCTTCCACAGCCCCCAATTACCCAAAGCCGATCTCTGAGCTGGCTTATTGTGTGG 1509
QY 161 HisIleGlnValGluLysAspThrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
Db 1510 CACATACAAGTGGAGAAAGATTACAGATAAACTAAACTTCAAGAGAGATTTTCTCTAGAA 1569

Qy 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
Db 1570 ATAGACAAACAGTGCACAAATTTGATTTCTTGCCATCTATGATGGCCCTCCACCAACTCT 1629
Qy 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
Db 1630 GGCCTGATTTGACAAAGTCTGTGGCCGTGTACTCCACCTTCGAATCGTCAAACTCT 1689
Qy 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
Db 1690 CTGACTGTGCTGTCTACAGATTATGCCAAATCTTACCGGGGATTTCTGCTCTCTAC 1749
Qy 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
Db 1750 ACCCTCAATTTATGAGAAACATCAACACTACATCTTTAACTTTGCTCTCTGACAGATG 1809
Qy 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
Db 1810 AGAGTTATTATAGCAAAATCTTACTAGAGCTTTTAACCTTAATGGGAATTAATTGCAA 1869
Qy 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
Db 1870 CTAAGAAGACCAACTTGCAGACCAAAATTAATCAAAATGTTGTGGAAATTTCTGCTCCCTCT 1929
Qy 301 AsnGlyCysGlyThrIleAsnLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
Db 1930 AATGATGTGTACATCAATGAGAAAGTAGAGATCAGTCATTTACTTACACCAATTAATC 1989
Qy 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
Db 1990 ACCTTTCTGCATCTCAACTCTGAAAGTATCACCCTGAGAAACCACTCCAGATTATT 2049
Qy 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
Db 2050 GTGAAGTGTGAATGGGACATAATCTACAGTGAGATAATATACATAACAGAGATGAT 2109
Qy 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db 2110 GTAATACAAAGTCAAAATGCACTGGGCAATATATACACAGCATGGCTCTTTTGAATCC 2169
Qy 381 AsnSerPheGluLysThrIleGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
Db 2170 AATTCATTGAAAGACTATCTACTTGAATCAACATATTATGGAATTTGAAACCAACTCT 2229
Qy 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValPheLeuAspThrCys 420
Db 2230 TTTGTTCAAGTAGTCTGCACACTCAGATCCAAATTTGGTGGTGTCTTGTACTCTGT 2289
Qy 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
Db 2290 AGAGCTCTCCACCTCTGACTTTGCATCTCCACCTACGACCTTAATCAAGAGTGGATGT 2349
Qy 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
Db 2350 AGTCAGATGAACACTTGTAAAGTGTATCCCTTATTTGGACACTATGGAGATCCAGTTT 2409
Qy 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
Db 2410 AATGCTTTAAATCTTGAAGATGATGAGCTCTGTGATCTGCAGTGTAAAGTTTGTATA 2469
Qy 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGAGTGAACCAACAGTCTCGCTGCAATCAAGTTGTGTCTCCAGAGCAACAGA 2529
Qy 501 AspIleSerSerTyrLysThrPheThrAspSerIleIleGlyProIleArgLeuLysArg 520
Db 2530 GACATTTCTTCATATAAATGGAACACAGATTCCTCATGAGACCCATTCGTCTGAAAGG 2589
Qy 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluThrPro 540
Db 2590 GATCAAGTGCAGTGGCAATTCAGGATTTGAGCATGAACACATGCGGAAGAACTCCA 2649
Qy 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560

Db 2650 AACCAGCCTTTCAACAGTGTGCATCTGTTTCTTCTCATGTTCTAGCTCTGAATGTGGTG 2709
Qy 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGTAGGACATACAGTGTGAGCAATTTTGTAAATCAACGGCAGACTACAAATACCAG 2769
Qy 581 LysLeuGlnAsnTyr 585
Db 2770 AAGCTGCAGAACTAT 2784
RESULT 3
US-09-902-775A-189
; Sequence 189, Application US/09902775A
; Patent No. 6686451
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/902,775A
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095


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; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-902-775A-189

Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 3064.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-902-775A-189 (1-2917)
Qy 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
Db 1030 ATGCGCGAGGCTGAAGCAATGCAAGCTGCACAGTCAGTCAGTCTAGGGGGTCCCAATATGGCA 1089
Qy 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
Db 1090 GAGACCCACCAAGCCATGATCTCTGCAACTCAATCCCAAGTGAAGTGCACCTGGAACAATA 1149
Qy 41 GluArgProGluAsnLysSerIleAtrGileIlePheSerTyrValGlnLeuAspProAsp 60
Db 1150 GAAGACGACGAAACAAACAAACATTAAGTCTTTGACGGAACCTCCAGCAATGGGGCTCTG 1269
Qy 61 GlySerCysGluSerGluAsnLysValPheAspGlyThrSerSerAsnGlyProLeu 80
Db 1210 GGAAGCTGTGAAGTGAAGCAATTAAGTCTTTGACGGAACCTCCAGCAATGGGGCTCTG 1269
Qy 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerSerThr 100
Db 1270 CTAGGGCAAGTCTGCAGTAAACAGCACTATGTTCTGTATTTGAATCAATCCAGTACA 1329
Qy 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
Db 1330 TTGACGTTTCAATAGTACTACTGACTCAGCAAGAATTCAAAGAACTGTCTTTGTCTTCTAC 1389
Qy 121 TyrPhePheSerProAsnLysSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
Db 1390 TACTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1449
Qy 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTrp 160
Db 1450 GGATCCCTTACCAGCCCAATTAACCAAGCCGATCTCTGAGTGGCTTATTGTGTGG 1509
Qy 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPhelyGluIlePheLeuGlu 180
Db 1510 CACATACAAGTGGAGAAGATTAACAGATAAACTAACTTCAAGAGATTTTCTTAGAA 1569
Qy 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
Db 1570 ATAGCAACAAGTGCAAATTTGATTTTCTGCCATCTATGATGGCCCTCCCAACTCT 1629
Qy 201 GlyLeuIleGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
Db 1630 GGCCTGATGACAACTGTGGCCGTGTGACTCCCACTCCCACTCCCACTCCCACTCT 1689
Qy 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
Db 1690 CTGACTGTGCTGTGTCTACAGATTAGCCAAATTTCTTACCGGGGANTTTCTGTTCTCTAC 1749
Qy 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
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Db 1750 ACCTCAATTTTANGCGAAACATCAACATCTTAACTTGCTCTTCTGACGATG 1809
Qy 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
Db 1810 AGAGTTATTATAAGCAATCTACCTAGAGGCTTTAACTCTAATGGGAATACTTGCA 1869
Qy 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
Db 1870 CTAAGACCCCACTTGCAGACCAAAATTAACAATGTTGTGGAATTTCTGCTCTCT 1929
Qy 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
Db 1930 AATGATGTGTACATCAGAAAGTAGAGATCAGTCAATTACTTACCAATAATAATC 1989
Qy 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
Db 1990 ACCTTTTCTGCATCTCACTTCTGAAGTGATCACCGCTCAGAAACAACCTCCAGATTAT 2049
Qy 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
Db 2050 GTGAGTGTGAATGGACATTAATCTACAGTGGAGATAATATACATAACAGAGATGAT 2109
Qy 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db 2110 GTAATACAAAGTCAAAATGCACTGGGCAAAATAAACCAGCATGGCTCTTTTGAATCC 2169
Qy 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
Db 2170 AATTCATTTGAAAGACATATCTTGAATCACTATTAATGATGATTTGATTTGAACCACTCT 2229
Qy 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
Db 2230 TTTGTTCAAGTTAGTCTGCAACCTCAGATCCAAATTTGGTGGTGTCTTGTATACCTGT 2289
Qy 421 ArgLaserProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
Db 2290 AGAGCTCTCCACCTCTGACTTTGCACTTCCAACTTACCACTTAATCAAGATGGATGT 2349
Qy 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
Db 2390 AGTCGAGATGAATCTGTAAGGTGTATCCCTTATTTGGACACTATGGAGATTCAGTTT 2409
Qy 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
Db 2410 AATGCTTTAAATTTCTGAGAAGTATGAGCTCTGTGTATCTGAGTGTAAAGTTTGATA 2469
Qy 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCTGACCACTGCTGCTGCAATCAAGTTGTCTCTCCAGAGCAACGA 2529
Qy 501 AspIleSerSerTyrLysThrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
Db 2530 GACATTTCTCATATAAATGAAACACAGATTCAATCATAGACCCATTCCTCTGAAAGG 2589
Qy 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGlnThrHisAlaGluGluThrPro 540
Db 2590 GATCGAGTGCAGTGGCAATTCAGGATTCAGCTGCACTGCAATGCAATGCGGAAGAACTCCA 2649
Qy 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACCAAGCTTTCAACAGTGTGATCTGTTTCTCTTCTCTCTCTCTCTCTCTCTCTCT 2709
Qy 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGTAGCGCAAACTCAGATGAGCAATTTGTAAATCAACGGGCACTACAATACCA 2769
Qy 581 LysLeuGlnAsnTyr 585
Db 2770 AAGCTGCAGAACTAT 2784

RESULT 4
US-09-833-381-1918
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; Sequence 1918, Application US/09833381
; Patent No. 6672186
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs
; FILE REFERENCE: 5800-119
; CURRENT APPLICATION NUMBER: US/09/833,381
; CURRENT FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/516,448
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 2050
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1918
; LENGTH: 892
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(892)
; OTHER INFORMATION: n = A,T,C or G
US-09-833-381-1918

Alignment Scores:
Pred. No.: 4,01e-142 Length: 892
Score: 1290.00 Matches: 259
Percent Similarity: 94.20% Conservative: 1
Best Local Similarity: 93.84% Mismatches: 10
Query Match: 42.10% Indels: 6
DB: 4 Gaps: 2

US-09-864-711-14 (1-585) x US-09-833-381-1918 (1-892)
QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
DB 70 ATGGCGGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCAGGCGGTGCGCAATATGCGCA 129
QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
DB 130 GAGACCCACAAAGCCATGCTGCACTCAATCCAGTGAGAACTGCACCTGGACAAATA 189
QY 41 GluArgProGluAsnLysSerIleArgIlePheSerThrValGlnLeuAsnProAsp 60
DB 190 GAAGACACAGAAACAAAGCATCAAGATATATCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 249
QY 61 GlySerCysGluSerGluAsnLysValPheAspGlyThrSerSerAsnGlyProLeu 80
DB 250 GGAAGCTGTGAAGTGAAACATTAAGCTTTGAGGAACTCCAGCACTGGGCGCTCTG 309
QY 81 LeuGlyGlnValCysSerLysAsnAspThrValProValPheGluSerSerSerThr 100
DB 310 CTAGGCGCAAGCTGCAGTAAACACGACTATGTTCTCTGTTTGAATCATCATCATCATCAT 369
QY 101 LeuThrPheGlnValThrAspSerAlaArgIleGlnArgThrValPheValPheThr 120
DB 370 TTGAGCTTCAATAGTAGTACTGACTCAGCAGAGATTCAGAGACTGCTTTGCTTCTTAC 429
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
DB 430 TACTTCTTCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 489
QY 141 GlySerPheThrSerProAsnThrProLysProHisProGluLeuAlaTyrCysValTrp 160
DB 490 GGATCTCTTACCAGGCGCAATTACCAGGCGCAATCTGAGCTGCGCTTATGTTGTGG 549
QY 161 HisIleGlnValGluLysAspThrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
DB 550 CACATACAGTGAGAGAGATTAAGATATAAACTTAACTTAACTTAACTTAACTTAACTTAACT 609
QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
DB 610 ATAGACAAACAGTGCAAAATTTGATTTCTTGTGCACTTATGATGGCGGCTCCACCAATCT 669
QY 201 GlyLeuIleGlnVal-CysGlyArgVal---ThrProThrPheGlu---SerSerSe 218

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DB 670 GGCACAGATTGACAAATCTTGTGGCCCGGTGTTGACTCCACCTTCCGAATCCGTCATC 729
QY 218 rAsnSerLeuThrValVal-LeuSerThrAspTyrAlaAsnSer-TyrArgGly-PheSe 237
DB 730 AAACCTCTCTGACTGTGCTGTTGCTACAGATATGCAATTCCTTACCGGGAATTTCC 789
QY 237 rAlaSerTyrThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSe 257
DB 790 TGCITTCCTACACCTCAATTTATGGAGAAACATCAACACTACATCTTTTANGTCTCTTC 849
QY 257 rAsiArgMetArgValIleIleSerLysSerTyrLeuGlu 270
DB 850 TGACAGAGTATGAGATTATTATAGCAACTCTTACTAGAG 889

RESULT 5
US-08-470-350B-1
; Sequence 1, Application US/08470350B
; Patent No. 5684126
; GENERAL INFORMATION:
; APPLICANT: Li, Xiao
; APPLICANT: Snyder, Solomon H
; TITLE OF INVENTION: Ebnerin: A Secreted von Ebner's Gland
; TITLE OF INVENTION: Protein Associated with Taste Buds
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Witcoff, Ltd.
; STREET: 1001 G Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/470,350B
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Wolfe, Susan A
; REGISTRATION NUMBER: 33,568
; REFERENCE/DOCKET NUMBER: 01107,48790
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4360 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Rattus rattus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 94...3963
US-08-470-350B-1

Alignment Scores:
Pred. No.: 4,11e-88 Length: 4360
Score: 842.00 Matches: 200
Percent Similarity: 48.16% Conservative: 127
Best Local Similarity: 29.46% Mismatches: 193
Query Match: 27.48% Indels: 160
DB: 1 Gaps: 14

US-09-864-711-14 (1-585) x US-08-470-350B-1 (1-4360)

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QY 36 CysThrTrpThrIleGluArgProGluAsnLysSerIleAraGillellePheSerTyrVal 55
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QY 56 GlnLeuAspProAspGlySerCysGluSerGluAsnIleValPheAspGlyThrSer 75
DB 1978 CAGCTT-----GAGAGGTTGCAACTATGACTACTACTCTGGGTTTGTGTTGCTCTGAA 2031
QY 76 SerAsnGlyProLeuLeuGlyGlnValCysSer----- 86
DB 2032 TACAATTTCTCTCTCATCTCGGGTTTGTGATGGTCCAAATGATCTTTCACCTCAACC 2091
QY 87 -----Lys 87
DB 2092 CAGAACTTCATGCTGTAGTCTTTATACGGATGGCAGTGTACAGAGAGGGTTCCAA 2151
QY 88 AsnAspTyr-----ValProVal 93
DB 2152 GCTGACTACTCTCACTCTATCAGGACCAGCACAACTCTCCAAACGAGCTTCCGATC 2211
QY 94 PheGluSerSerSerThrLeuThrPheGlnIleValThrAspSerAlaArgIleGln 113
DB 2212 ATTACTGGAATGANTCTTCATTTGCTGCTGAGGCTGGTAATGGAACAAACCGGTGTGAG 2271
QY 114 ArgThrValPheValPheTyr----- 120
DB 2272 GCCGAGTGGAGATCTGTACAGAGGCTCTTGGGTACCGTGTGGCGACGACGCTGGAC 2331
QY 120 ----- 120
DB 2332 ATCAATGATGCCAAATGTGCTGTGCAGACGCTCGGTTGTGGCTGTGCTGTCTGTCTCCA 2391
QY 120 ----- 120
DB 2392 GGAAATGCTTGTGTTGGTCAGGGTTCAGGGCTCATTTGCTGGATGATGTGTCTGTCT 2451
QY 120 ----- 120
DB 2452 GGGTATGATGCCACCTGTGGAATGTGTGTACCCCTGGTGTGCTGTTTCATAAATGTGCT 2511
QY 120 ----- 120
DB 2512 CATGTTGAGATGCGAGGATCATTTGCTCATCTCCCTGTATCCGACTCCCTCTCTGCTGCTCA 2571
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
DB 2572 GTTGGACAGTCCCTCTTTCTAACTATACTTGTGGAGGTTTCTCTGACTGGACTCTCT 2631
QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTrp 160
DB 2632 GGGCAATTTCTAGCCCATACTACCTGGGAGCTATCTTAATATGCCAGATGTTTGTGG 2691
QY 161 HisIleGlnValGluLysAspTyrIleLysLeuAsnPheLysGluIlePheLeuGlu 180
DB 2692 AACATTTGAATGCCAACCACTACCGCGTACTGTGGTCTTCAGAGATGTG-----CAG 2745
QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
DB 2746 CTGGAAGGGGGCTGCAACTATGACTATATAGAGATTTTGTATGGTGGCCCAACCAAGTTCA 2805
QY 201 GlyLeuIleGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
DB 2806 CTTCTCATTTGCCGGGTTTGTGATGGGGCCATGGGCTCTTTTCACTTCAACATCCAACTTC 2865
QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
DB 2866 ATGTGAGTTCGCTTCCACTGATCAGTGTACTCGAAGAGGGTTCGGGCTCACTAC 2925
QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
DB 2926 TACTCAGACTTT-----GACAATAATACCAATCTCTTGTGTGTCAAATCAGATG 2979

QY 261 ArgValIleIleSerLysSerTyrIleuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln 280
DB 2980 AGAGCAGGTGTGACGAGGAGTACCTTCAGTCCATGGGCTACTCTCCAGGATCTTGTTC 3039
QY 281 LeuLys-----AspProThrCysArgProLysLeuSer-----AsnValValGlu 295
DB 3040 ATTCTGCTGGTGGACGTGATTTACCACTGTACAGCTCAGATAACAAAGGAGGTCTATA 3099
QY 296 PheSerValProLeuAsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThr 315
DB 3100 TTCACAAATTCCTTACACAGGCTCGGTACTACCAACAGGCTGACACAGAGACCATCAAC 3159
QY 316 TyrThrAsnIleIleThrPheSerAlaSerThrSerGluValIleThrArgGlnLys 335
DB 3160 TACTCCAACTTCTC-----AAAGCGCTGTTTCAATGGCATCATCAAGAGGAGAAAG 3213
QY 336 GlnLeuGlnIleIleValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyr 355
DB 3214 GATCTCCACATCTCATGTCAAGTCTTCAAGACACCTGGGTCAACACCATGTAC 3273
QY 356 IleThrGluAspAspValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMet 375
DB 3274 ATCAACAAACACACATCGAGTCCAGGAGTCCAGTATGGCAATTTGACGTGAATAT 3333
QY 376 AlaLeuPheGluSerAsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAsp 395
DB 3334 TCCTTTTATACATCTCTCTTCTTGTATCCAGTGACCCAGCAGCCCATATTATGTGAT 3393
QY 396 LeuAsnGlnThrLeuPheValGlnValSerLeuHisThrSerAspProAsnLeuValVal 415
DB 3394 CTGACACAGAAATTTGACCTTCAGGCCGAAAGTCTCCATTCGGATACCTCTTTGGCTCTG 3453
QY 416 PheLeuAspThrCysArgAlaSerPro-----ThrSerAspPheAlaSerProThrTyrAsp 434
DB 3454 TTTGTGGACACCTGTGTGGCTTCGCCACATCCCATGACTTCTCGTCTTGACATATGAT 3513
QY 435 LeuIleLysSerGlyCysSerArgAspGluThrCysLysValTyr-----Pro 450
DB 3514 CTCATCAGAGTGGATGCATAGCAGATGAATGAACTTACCAATCTTACTCTCGCCCTCACCA 3573
QY 451 LeuPheGlyHisTyrGlyArgPheGlnPheAsnAlaPheLysPheLeuArgSerMetSer 470
DB 3574 -----CGCATCACCCGCTTAAATTCAGTCTCTTCCACTTCTGACCGCTTCCCC 3624
QY 471 SerValTyrIleuGlnCysLysValLeuIleCysAspSerSerAspHisGlnSerArgCys 490
DB 3625 TCAGTATACCTACAGTGAATCTGGTGTGTTGTGCGAACAAAGCATGTCTCTCTCACGGTGC 3684
QY 491 AsnGluGlyCysValSerArgSerLysArgAspIleSerSerTyrLysTrpLysThrAsp 510
DB 3685 TACAGAGGATGTGTAGTAGGTCACAGAGGATGTAGGCTCTCTACCAAGAAAGGTGGAT 3744
QY 511 SerIleIleGlyProIleArgLeuLysArgAspArgSerAlaSer-GlyAsnSerGlyPh 530
DB 3745 GTTGTCTGGACCCATCCAGTTGCAATCTCCAGCAAAAGAGAGGAGTCTCGACTTG 3804
QY 530 eGlnHisGluThr-----HisAlaGluGluThrProAsnGlnProPheAsnSerValHisLe 549
DB 3805 GCAGTGGCAGATGTGGAGAAGCCAGCCAGCTCCAGGAGGTCTATCCACATGCGAGCAT 3863
QY 549 uPheSerPheMetValLeuAlaLeuAsnValValThrValAlaThrIleThrVal 567
DB 3864 CTTTGGTGGAGTCTCTGCGCTG-----GTTGTAGTGTGGAGGCTTCACACTG 3915

RESULT 6

US-09-341-587-4

; Sequence 4, Application US/09341587

; Patent No. 6346606

; GENERAL INFORMATION:

; APPLICANT: Mollenhauer, Jan

; TITLE OF INVENTION: Protein Containing an SRCR Domain

; FILE REFERENCE: 4121-108

; CURRENT APPLICATION NUMBER: US/09/341,587

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/ CURRENT FILING DATE: 1999-08-31
/ EARLIER APPLICATION NUMBER: PCT/DE98/00096
/ EARLIER FILING DATE: 1998-01-09
/ NUMBER OF SEQ ID NOS: 12
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 4
/ LENGTH: 5802
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-341-587-4

Alignment Scores:
Pred. No.: 2,628-87 Length: 5802
Score: 837.00 Matches: 186
Percent Similarity: 49.12% Conservative: 122
Best Local Similarity: 29.67% Mismatches: 161
Query Match: 27.32% Indels: 158
DB: Gaps: 13

US-09-864-711-14 (1-585) x US-09-341-587-4 (1-5802)

QY 36 CysThrTrpThrIleGluArgProGluAsnLysSerIleArgIleIlePheSerTy-Val 55
Db 3596 TGTGTTGGGAATAGAGTGAATCTGGTTATCGCATAAACCTGGGCTTCAGTAATCTG 3655
QY 56 GlnLeuAspProAspGlySerCysGluSerGluAsnIleLysValPheAspGlyThrSer 75
Db 3656 AAATGGAGGACACCAATCAATGCAATTTTGAATATGTTGAATCTTTGATGATCATTTG 3715
QY 76 SerAsnGlyProLeuLeuGlyGlnValCysSerLysAsnAspTy-ValProValPheGlu 95
Db 3716 AATACGAGTCTCTCTGGGMAATCTGT-----AATGATACCGCAAAATATTACA 3769
QY 96 SerSerSerThrLeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThr 115
Db 3770 TCTTCTTACACCGAATGACCATTCACATTCGGAAGTGACATCACT---TTCMAAACACT 3826
QY 116 ValPheValPheTy-ValPhePheSerPro----- 125
Db 3827 GCCTTTTGGCTTGGTATTAACCTCTCCCAAGCGATGCCCTTGAGGTGGTCAATTTA 3886
QY 125 ----- 125
Db 3887 AATTCACTCTATGTTCTATGTCCGGCGGTGTAGAAATTTACCATGGTGGACCTGGGG 3946
QY 125 ----- 125
Db 3947 ACAGTTTGTGATGACTCTCTGGACCATTCAGGAAGCTGAGTGGTCTGCGACACGCTAGGG 4006
QY 125 ----- 125
Db 4007 TGTGGACGTGCAGTTTTCAGCCCTTGGAAATGCAATATTTTGGCTCTGGCTCTGGCCCATC 4066
QY 125 ----- 125
Db 4067 ACCCTGGACGATGTAGAGTGTCTCAGGACCGGAATCACTCTCTGGCAGTGGCGGAACCGA 4126
QY 125 ----- 125
Db 4127 GCGTGGTTCTCCCACTGTAATCATCGTGAAGATGCTGGTGTCACTGTCTCAGGAAC 4186
QY 126 -----AsnIleSerIleProAsn-----Cys 132
Db 4187 CATCTATCGACACCTGCTCTCTTTCTCAACATCACCGCTCCAAACACAGATTAATTCCTGC 4246
QY 133 GlyGlyTy-ValLeuAspThrLeuGluGlySerPheThrSerProAsnTy-ValProLysProHis 152
Db 4247 GGAGGCTTCTATCCCAACCATCAGGAGACTTTCCAGCCCATCTCTATTCCTCCGGGAATAT 4306
QY 153 ProGluLeuAlaTy-CysValTrpHisIleGlnValGluLysAspTy-ValLysLeuLys 172
Db 4307 CCAAAACAAATGCCAAGTGTGTGGGACATTCGAGGTGCAAAACAACTACCGTGTGACTGTG 4366
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QY 173 AsnPheLysGluIlePheLeuGluIleAspLysGlnCysLysPheAspPheLeuAlaIle 192
Db 4367 ATCTTCAGAGATGTC-----CAGCTTGAAGGTGCTCAACTATGATTATATTGAAGTT 4420
QY 193 TyrAspGlyProSerThrAsnSerGlyLeuIleGlnValCysGlyArgValThrPro 212
Db 4421 TTCGATGGCCCTACCGCAGTTCCCTCTCATCTGCTGAGTTTGTGATGGGCGCAGAGCC 4480
QY 213 ThrPheGluSerSerAsnSerLeuThrValValLeuSerThrAspTy-ValAlaAsnSer 232
Db 4481 TCTTCACCTTCTCTCTCAACTTCATGTCATTCATGCTTCATCAGTACGACCAACAGCATCACA 4540
QY 233 TyrArgGlyPheSerAlaSerTy-ValIleGluAsnIleAsnThrSer 252
Db 4541 AGGAGAGGCTTCGGGCTGAGTACTCTCC-----AGTCCCTCCAAATGACAGCACCAAC 4594
QY 253 LeuThrCysSerSerAspArgMetArgValIleIleSerLysSerTy-ValLeuAlaPhe 272
Db 4595 CTGCTCTGTCTGTCGCAATACATGCAAGCAGTGTGAGCAGGAGCTATCTCCATCTCTTG 4654
QY 273 AsnSerAsnGlyAsnAsnLeuGlnLeuLysAsp-----ProThrCysArgPro 288
Db 4655 GCGTTTTCGCGCAGTACCTTGTCTATTCACCTGGATGATGATACAGTGTGCGGCC 4714
QY 289 LysLeuSer---AsnValValGluPheSerValProLeuAsnGlyCysGlyThrIleArg 307
Db 4715 CAGATAACGCCGACCTGCTGATATTCAATTCCTACTCAGGCTGCGGACCTTCAAG 4774
QY 308 LysValGluAspGlnSerIleThrThrAsnIleIleThrPheSerAlaSerSerThr 327
Db 4775 CAGGACAGCATGACACCATTCATTTCCAACTCTCTCACA-----GCACTGTCTCA 4828
QY 328 SerGluValIleThrArgGlnLysGlnLeuIleValLysCysGluMetGlyHis 347
Db 4829 GGTGGCATCATCAAGAGAGAGACAGACCTCGTATTCAGCTCAGTGCAGATGCTTCAG 4888
QY 348 AsnSerThrValGluIleIleTy-ValIleThrGluAspValIleGlnSerGlnAsnAla 367
Db 4889 AACACCTGGTTCGACACCATGTACATTCGTAATACACCATCCACCTGCTGTAATAACACC 4948
QY 368 Leu-----GlyLysTy-ValThrSerMetAlaLeuPheGluSer 380
Db 4949 ATCCAGTTCGAGGAAGTCCAGTATGCAATTTGAGGTGAACATTTCTCTTTTATCTTC 5008
QY 381 AsnSerPheGluLysThrIleLeuGluSerProTy-ValAspLeuAsnGlnThrIleu 400
Db 5009 TCATCTTCTTGTATCTGTGTGACCGCCCTTACTACGTGGACCTGGAACAGGACTTG 5068
QY 401 PheValGlnValSerHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
Db 5069 TACGTTTCAGCTGAAATCTCCATCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 5128
QY 421 ArgAlaSerPro---ThrSerAspPheAlaSerProThrTy-ValAspLeuIleLysSerGly 439
Db 5129 GTGGCATCACCATACCTCCAAATGACTTCACGCTTTGACTTATGATCATTAATCCGAGTGA 5188
QY 440 CysSerArgAspGluThrCysLysValTy-ValProLeuPheGlyHisTy-Val 455
Db 5189 TCGTTCAGGATGACACC-----TACGGACCTTCTCTCCCGCTCT 5230
QY 456 -----GlyArgPheGlnPheAsnAlaPheLysPheLeuArgSerMetSerVal 472
Db 5231 CTTTCGCAATTTGCGGCTTCAGGCTTCCACTTCTCTGAAACCGCTTCCCTCCGCTG 5290
QY 473 TyrLeuGlnCysLysValLeuIleCysAspSerSerAspHisGlnSerArgCysAsnGln 492
Db 5291 TACCTCGGTTGTAAATAGTGTGTGTCAGAGGATGATGACCTCTTCCGCTGTCTACGGA 5350
QY 493 GlyCysValSerArgSerLysArgAspIleSerSerTy-ValTrpLysThrAspSerIle 512
Db 5351 GCGTGTGTGTTGAGTTCGAGGTCGAGAGGAGTGTGGGCTCTTACCAGGAAAGAGTGCAGTGTG 5410
QY 513 IleGlyProIleArgLeuLys 519
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Db      5411  CTGGTCCCATCCAGCTGCAG 5431
RESULT 7
US-09-976-594-272
; Sequence 272, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 272
; LENGTH: 5943
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 238660.5
US-09-976-594-272

Alignment Scores:
  2.73e-87      Length: 5943
  Score: 837.00  Matches: 186
  Percent Similarity: 49.12%  Conservative: 122
  Best Local Similarity: 29.67%  Mismatches: 161
  Query Match: 27.32%  Indels: 158
  DB: 4  Gaps: 13

US-09-864-711-14 (1-595) x US-09-976-594-272 (1-5943)
Qy      36  CysThrTrpThrIleGluArgProGluAsnLysSerIleArgIleIlePheSerTyrVal 55
Db      3738  TGTGTTGGGAAATAGAGTGAATCTGTTGTTATCGCATAAACCTGGGCTTCAGTAATCTG 3797
Qy      56  GlnLeuAspProAspGlySerCysGluSerGluAsnLysValPheAspGlyThrSer 75
Db      3798  AAATGGGACACACCAATACGAGTTTGGATTATGTTGAAATCTTTGATGATCATTTG 3857
Qy      76  SerAsnGlyProLeuLeuGlyGlnValCysSerLysAsnAspTyrValProValPheGlu 95
Db      3858  AATAGCAGTCTCTGCTGGGAAATCTGT-----AATGATACCAGGCAAAATTTTACA 3911
Qy      96  SerSerSerSerThrLeuThrPheGlnIleValThrAspSerAlaArgIleGlnA-gThr 115
Db      3912  TCTTCTTACACCAAGATGACCAATTCACCTTTTGGAGTGACATCAGT---TTCCAAACACT 3968
Qy      116  ValPheValPheTyrTyrPhePheSerPro----- 125
Db      3969  GCCTTTTGGCTTGGTATGATTAATCTCTCCAGCATGCCACCTTGAGTTGGTCAATTTA 4028
Qy      125  ----- 125
Db      4029  AATTCATCTATGCTATGTCGCGGGGTGTAGAAATTTACATGTTGGCACCTGGGG 4088
Qy      125  ----- 125
Db      4089  ACAGTTTGTGATGACTCTCGGACCAATTCAGGAAGCTGAGTGTGTCGACAGACTAGGG 4148
Qy      125  ----- 125
Db      4149  TGTGACGTGCAGTTTCAGCCCTTGGAAATGCAATTTTGGCTCTGGCTCTGGCCCATC 4208
Qy      125  ----- 125
Db      4209  ACCCTGGACGATGTAGAGTGTCTCAGGACGGAATCCACTCTCTGGCAGTCCGGAACCGA 4268

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Qy      125  ----- 125
Db      4269  GGCTGGTTCTCCCACTGTAATCATCGTGAAGATGCTGGTGCATCTGCTCAGGAAC 4328
Qy      126  -----AsnIleSerIleProAen-----Cys 132
Db      4329  CATCTATCGACACCTGCTCTTTTCTCAACATCACCGTCCAAACACAGATATTCTCTGC 4388
Qy      133  GlyGlyTyrLeuAspThrLeuGluGlySerPheThrSerProAsnTyrProLysProHis 152
Db      4389  GGAGGCTTCTATCCCAACCATCAGGGGACTTTTCAGCCCATCTCTATCCCGGAACAT 4448
Qy      153  ProGluLeuAlaTyrCysValTPhIstIleGlnValGluLysAspTyrLysIleLysLeu 172
Db      4449  CCAAAACAATGCCAAGTGTGTGGACATTGAGTGCAGAAACAACACTACCGTGTGACTGTG 4508
Qy      173  AsnPheLysGluIlePheLeuGluIleAspLysGlnCysLysPheAspPheLeuAlaIle 192
Db      4509  ATCTTCAGAGATGTC-----CAGTTGAAGTGGCTGCACTATGATTATATTGAAGTT 4562
Qy      193  TyrAspGlyProSerThrAsnSerGlyLeuIleGlyGlnValCysGlyArgValThrPro 212
Db      4563  TTCGATGCCCTTACCGCAGTTCCTCTCATTCGTCGAGTTTGTGATGGGCGCCAGAGGC 4622
Qy      213  ThrPheGluSerSerSerAsnSerLeuThrValValLeuSerThrAspTyrAlaAsnSer 232
Db      4623  TCTTCACTTCTTCTCCAACTTCATGTCCTTCATTCAGTGCAGTGCAGTGCAGTGCACA 4682
Qy      233  TyrArgGlyPheSerAlaSerTyrThrSerIleTyrAlaGluAsnIleAsnThrThrSer 252
Db      4683  AGGAGAGGTTCCGGGCTGAGTACTCTCC-----AGTCCCTCCAATGACAGCACAAC 4736
Qy      253  LeuThrCysSerSerAspArgMetArgValIleIleSerLysSerTyrLeuGluAlaPhe 272
Db      4737  CTGCTCTGTCTGCCAAATCATCATGAGCCAGTGTGAGCAGGAGTATCTCCAATCTTG 4796
Qy      273  AsnSerAsnGlyAsnAsnLeuLysAsp-----ProThrCysArgPro 288
Db      4797  GGCTTTTCTGCCAGTACCTTGTCTATTCACCTCGAATGATGATACAGAGTGTGCGCC 4856
Qy      289  LysLeuSer-----AsnValValGluPheSerValProLeuAsnGlyCysGlyThrIleArg 307
Db      4857  CAGATAACGCCGAACCTGGTATATTCACATTCCTTACTCAGCTCGGCGCACCTTCAAG 4916
Qy      308  LysValGluAspGlnSerIleThrThrAsnIleIleThrPheSerAlaSerSerThr 327
Db      4917  CAGGACAGATGACACCATGCTATTCACACTTCTCTCACA-----GCAGCTGTCTCA 4970
Qy      328  SerGluValIleThrArgGlnLysGlnLeuGlnIleIleValLysCysGluMetGlyHis 347
Db      4971  GGTGGCATCATCAAGAGGAGGACAGACCTCGTATTCAGCTCAGCTCAGAAATCTTTCAG 5030
Qy      348  AsnSerThrValGluIleIleTyrIleThrGluAspAspValIleGlnSerGlnAsnAla 367
Db      5031  AACACCTGGTGCACCATGATCATTTGCTAATGACCATTCACCTGCTGTAATACACC 5090
Qy      368  Leu-----GlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db      5091  ATCCAGGTCGAGGAAGTCCAGTATGGCAATTTTCACTGGAACATTCCTTTTACTTCC 5150
Qy      381  AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
Db      5151  TCATCTTTCTGTGATCTGTGACCGCGGCTTACTACGTGGACCTGGAACAGACTTG 5210
Qy      401  PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
Db      5211  TACGTTTCAAGGTGAAATCTCTCATCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 5270
Qy      421  ArgAlaSerPro-----ThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGly 439
Db      5271  GTGGCATCACCATACTCCAATGACTTCACTGCTTGTGATCTTATGATCATTAATCCGAGTGA 5330
Qy      440  CysSerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyr----- 455

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Db 5331 TCGGTGAGGATGACACC .....TACGGACCCCTACTCTCCGCATCT 5372
Qy 456 -----GLVArgPheGlnPheAsnAlaPheLysPheLeuArgSerMetSerSerVal 472
Db 5373 CTTGCAATGCCCGTTCGGTTAGGCGCTTCCACTTCTGAAACCGTTCCTCCGTG 5432
Qy 473 TyrLeuGlnCysGlyValLeuLeuCysAspSerSerAspHisGlnSerArgCysAsnGln 492
Db 5433 TACCTGCGTTGTAATAATGGTGTGCAGAGGATGATGACCCCTCTTCCCGCTGCTACCGA 5492
Qy 493 GlyCysValSerArgSerLysArgPheLeuSerSerTyrLysTrpLysThrAspSerIle 512
Db 5493 GCGTGTGTTTGGTTCGAGGAGGATGGGCTCTACCAAGAAAAGGTGGAGCTGCTC 5552
Qy 513 IleGlyProIleArgLeuLys 519
Db 5553 CTGGGTCCCATCCAGCTGCAG 5573

RESULT 8
US-09-833-381-1917
; Sequence 1917, Application US/09833381
; Patent No. 6672186
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs
; FILE REFERENCE: 5800-119
; CURRENT APPLICATION NUMBER: US/09/833,381
; CURRENT FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/516,448
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 2050
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1917
; LENGTH: 518
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..-(518)
; OTHER INFORMATION: n = A,T,C or G
US-09-833-381-1917

Alignment Scores:
Pred. No.: 3,75e-73 Length: 518
Score: 701.50 Matches: 142
Percent Similarity: 97.28% Conservative: 1
Best Local Similarity: 96.60% Mismatches: 4
Query Match: 22.89% Indels: 3
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-833-381-1917 (1-518)
Qy 56 GlnLeuAspProAspGlySerCysGluSerGluAsnIleLysValPheAspGlyThrSer 75
Db 79 AGCTTGATCCAGATGGAAGCTGTGAACTGAAACATTAAAGTCTTTGACGGACCTCC 138
Qy 76 SerAsnGlyProLeuLeuGlyGlnValCysSerLysAsnAspTyrValProValPheGlu 95
Db 139 AGCAATGGGCTCTGCTGAGGCAAGTCTCAGTAAACACACTATGTTCTCTGATTGAA 198
Qy 96 SerSerSerSerThrLeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThr 115
Db 199 TATCATCCAGTACATGACGTTTCAATAGTACTGACTCAGCAAGAAATCAAGAAGT 258
Qy 116 ValPheValPheTyrThrPhePheSerProAsnIleSerIleProAsnGlyGlyTyr 135
Db 259 GTCTTTGTCTTACTACTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 318
Qy 136 LeuAspThrLeuGluCysSerPheThrSerProAsnTyrProLysProHisProGluLeu 155
Db 319 CTGGATACCTTGAAGGATCTCTTCCACGACCCCAATTATCCCAAGCCGACCTCTGAGCTG 378
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RESULT 9

US-09-341-587-2

; Sequence 2, Application US/09341587

; Patent No. 6346606

; GENERAL INFORMATION:

; APPLICANT: Mollenhauer, Jan

; TITLE OF INVENTION: Protein Containing an SRCR Domain

; FILE REFERENCE: 4121-108

; CURRENT APPLICATION NUMBER: US/09/341,587

; CURRENT FILING DATE: 1999-08-31

; EARLIER APPLICATION NUMBER: PCT/DE98/00096

; EARLIER FILING DATE: 1998-01-09

; NUMBER OF SEQ ID NOS: 12

; SOFTWARE: Patentin Ver. 2.1

; SEQ ID NO 2

; LENGTH: 2001

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-341-587-2

Alignment Scores:

Pred. No.: 6,67e-45 Length: 2001

Score: 470.50 Matches: 111

Percent Similarity: 44.03% Conservative: 92

Best Local Similarity: 24.08% Mismatches: 121

Query Match: 15.36% Indels: 137

DB: 4 Gaps: 9

US-09-864-711-14 (1-585) x US-09-341-587-2 (1-2001)

Qy 36 CysThrTrpThrIleGluArgProGluAsnLysSerIleArgIleIlePheSerTyrVal 55

Db 640 TGTGTTTGGAAATAGAGTGAATTCGTGTTATGCATATAAACCTGGGCTTCAGTAATCTG 699

Qy 56 GlnLeuAspProAspGlySerCysGluSerGluAsnIleLysValPheAspGlyThrSer 75

Db 700 AAATTGGAGGCACCACTAACTGCAGTTTGTATGTTGAAATCTTTGATGGATCATG 759

Qy 76 SerAsnGlyProLeuLeuGlyGlnValCysSerLysAsnAspTyrValProValPheGlu 95

Db 760 AATAGCAGTCTCTGCTGGGAAATCTGT-----AATGATACCAGCAAAATATTACA 813

Qy 96 SerSerSerSerThrLeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThr 115

Db 814 TCTTCTTCAACCGAATGACCATTCACITTCGAAGTGCATCAGT---TTCAAACACT 870

Qy 116 ValPheValPheTyrThrPhePheSerPro----- 125

Db 871 GGCTTTTGGCTTGTGTTATAACTCTCTCCCAAGCGATGCCACTTGAGGTGTGTCATTTA 930

Qy 125 ----- 125

Db 931 AATTCACTTATGTTCTATGTGCGGGCGTGTAGAAATTTTACCATGTGTGGACCTGGGGG 990

Qy 125 ----- 125

Db 991 ACAGTTTGTGATGACTCTCTGGACCATTCAGGAAGCTGAGGTGTTCTGCAGACAGCTAGG 1050

Qy 125 ----- 125

Db 1051 TGTGGACGTGCAGTTCAGCCCTTGGAAATGCATATTTTGGCTCTGGCTCTGGCCCCATC 1110

QY 125 ----- 125
Db 1111 ACCCTGGACGATGATAGTGTCTCAGGACGAATCCACTCTCTGGCAGTCCGGACCGA 1170
QY 125 ----- 125
Db 1171 GGCTGGTTCTCCCAACATGTAATCATCGTGAAGATGCTGGTGTCTATCTGCTCAGGAAC 1230
QY 126 -----AsnIleSerIleProAsn-----Cys 132
Db 1231 CATCTATCGACACCTGCTCCCTTTCTCAACATCACCGCTCCAAACACAGATTAATTCCTGC 1290
QY 133 GlyGlyTyrLeuAspThrLeuGluGlySerPheThrSerProAsnTyrProLysProHis 152
Db 1291 GGAGCTTCCTATCCCAACCATCAGGGACATTTCCAGCCCATCTATCCCGGAATAT 1350
QY 153 ProGluLeuAlaTyrCysValTrpHisIleGlnValGluLysAspTyrLysIleLysLeu 172
Db 1351 CCAACAATGCCAAGTGTGTGGGACATTGAGGTGCCAAACAACACTACCGTGTGACTGTG 1410
QY 173 AsnPheLysGluIlePheLeuGluIleAspLysGlnCysLysPheAspPheLeuAlaIle 192
Db 1411 ATCTTCAGAGATGTC-----CAGCTTGAAGGTGGCTGCAACTATGATTATATTGAAGTT 1464
QY 193 TyrAspGlyProSerThrAsnSerGlyLeuIleGlyGlnValCysGlyArgValThrPro 212
Db 1465 TTCGATGCCCTTACCGCAGTTCCTCTCATTCGTCGAGTTGTGATGGGCGCAGAGGC 1524
QY 213 ThrPheGluSerSerSerAsnSerLeuThrValValLeuSerThrAspTyrAlaAsnSer 232
Db 1525 TCCCTTCATCTTCTCTCCAACTTCATGCTCCATTCGCTTCATGACGACCATCACA 1584
QY 233 TyrArgGlyPheSerAlaSerTyrThrSerIleTyrAlaGluAsnIleAsnThrThrSer 252
Db 1595 AGGAGAGGTTCCGGGCTGAGTACTTCC-----AGTCCCTCCATGACGACCAAC 1638
QY 253 LeuThrCysSerSerAspArgMetArgValIleIleSerLysSerTyrLeuGluAlaPhe 272
Db 1639 CTGCTCTGTCTGCCAAATACATGCAAGCCAGTGTGAGCAGGAGCTATCTCCAATCCTG 1698
QY 273 AsnSerAsnGlyAsnLeuGluLysAsp-----ProThrCysArgPro 288
Db 1699 GGCTTTCTGCAGTGCAGCTTGTCTATTCACCTGGAAATGATACAGAGTGTGCGCC 1758
QY 289 LysLeuSer-----AsnValValGluPheSerValProLeuAsnGlyCysGlyThrIleArg 307
Db 1759 CAGATAACCGCAACCTGGTGATATTCACAATTCCTTACTCAGGCTGCGCACCTTCAAG 1818
QY 308 LysValGluAspGlnSerIleThrThrAsnIleIleThrPheSerAlaSerThr 327
Db 1819 CAGCAGACATGACACCATCGACTATTCCAACTTCTCTCA-----GCAGCTGTCTCA 1872
QY 328 SerGluValIleThrArgGlnLysGlnLeuGlnIleIleValLysCysGluMetGlyHis 347
Db 1873 GGTGGCATCATCAAGAGGAGGACAGACCTCGTATTACATCAGTCAGCAATGCTTCAG 1932
QY 348 AsnSerThrValGluIleIleTyrIleThrGluAspValIleGlnSerGlnAsnAla 367
Db 1933 AACACCTGGGTGCGACCATGATGCTAATGACACCATCCACGTTGCTAATAACACC 1992
QY 368 Leu 368
Db 1993 ATC 1995

RESULT 10

US-09-341-461-1
; Sequence 1, Application US/09341461
; Patent No. 6586389
; GENERAL INFORMATION:
; APPLICANT: Hammond, Timothy G.
; APPLICANT: Verroust, Pierre J.
; TITLE OF INVENTION: Cubilin Protein, DNA Sequences Encoding Cubilin

; TITLE OF INVENTION: and Uses Thereof
; FILE REFERENCE: D6148
; CURRENT APPLICATION NUMBER: US/09/341,461
; CURRENT FILING DATE: 2000-07-20
; PRIOR APPLICATION NUMBER: PCT/US99/01259
; PRIOR FILING DATE: 1999-01-21
; NUMBER OF SEQ ID NOS: 40
; SEQ ID NO 1
; LENGTH: 11272
; TYPE: DNA
; ORGANISM: rat
; FEATURE:
; OTHER INFORMATION: nucleic acid sequence of rat cubilin
US-09-341-461-1

Alignment Scores:

Pred. No.: 9,83e-23 Length: 11272
Score: 293.50 Matches: 100
Percent Similarity: 45.96% Conservative: 65
Best Local Similarity: 27.86% Mismatches: 147
Query Match: 9.58% Indels: 47
DB: 4 Gaps: 16

US-09-864-711-14 (1-585) x US-09-341-461-1 (1-11272)

QY 4 AlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAlaGluThrHis 23
Db 4840 GCTGAATTCAGGAGAGATGC-----GGAGCCGCATCATGACCGCATCTTCC 4887
QY 24 LysAlaMetIleLeuGlnLeuAsnPro-----SerGluAsnCysThrTrp 38
Db 4888 GATACTATCTCTCTCCACTGTACCTCACAACATATCTACACAACCAAGAACTGTTCTCG 4947
QY 39 ThrIleGlu---ArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeu 57
Db 4948 ATAAATGAAGCTCAGCCTCCATTCATCATCACTACTCTCTCTTACTCTCACTTTCAACTT 5007
QY 58 AspProAspGlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsn 77
Db 5008 CAAAACACACACAGACTGTACACGGGACTTGTAGAAATTTGGATGGCAACGACTATGAC 5067
QY 78 GlyProLeuLeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSer 97
Db 5068 GCACCTGTCCAAGCCGCTTACTGTGGTTTCTCCCTGCCCCACCCATCATA---TCATTT 5124
QY 98 SerSerThrLeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPhe 117
Db 5125 GCAATGCGCTTAACCGTGAGGTTGTCTACTGATTCACACGACGTTTGAGGGTTCCGT 5184
QY 118 ValPheTyrTyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAsp 137
Db 5185 GCCATCTAT-----TCTGCATCGACATCATCTTGTGGTGAAGCTTCTAC 5229
QY 138 ThrLeuGluGlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyr 157
Db 5230 ACATTTGATGACATCTCAATAGCCCCGACATCCACGACACTACCATCCAAATGCGAA 5289
QY 158 CysValTrpHisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIle 177
Db 5290 TGTGTCTGGAACATGTCAGCTCCCTGGCAACCGCTGCAACTGCTCTTCTCTATCTCTC 5349
QY 178 PheLeuGluIleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSer 197
Db 5350 AATTGGAGAAATCTCTAAACGTGTAAACAGGATTTGTGAAATTCGGAAGGAAATGCC 5409
QY 198 ThrAsnSerGlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSer 217
Db 5410 ACGGCGCCAC---TTGATTGGACGATGCTGTGAAACTCCCTCCCTGGGAATTAATCTGCA 5466
QY 218 Ser-----AsnSerLeuThrValLeuSerThrAspTyrAlaAsnSerTyrArgGly 235
Db 5467 GCTGAGGACATAGTCTATGGTCCGATTTGTCTCTGATGGCTCAGCACTGCGCATGGGC 5526

QY 236 PheSerAlaSerTyrThrSerIleTyrAlaGluAsn-----IleAsnThrThrSerLeu 253
Db 5527 TTTCAGGCGAGGTTCAAAATAATATTGGCATAATAATATTGTGGGAACATCATGGGAAA 5586
QY 254 ThrCysSer-----SerAspArgMetArgValIleIle 264
Db 5587 ATCGCATCTCCCTTCGGCCTGGAAATACCCCTACAACTCCATTCAAAATGGTGGTA 5646
QY 265 SerLysSerTyrLeuGluAlaPheAsn---SerAsnGlyAsnAsnLeuGlnLeuLys--- 282
Db 5647 AAT-----GTGGACGATATCATATATCCACGGTAGAATCTTAGAGATGGACATA 5697
QY 283 AspProThrCysArg-----ProLysLeuSerAsnValValGluPheSer 297
Db 5698 GAACCCACACCACTGCTTTATGACAGTTTAAAGATTATGATGGATTTCACACTCAT 5757
QY 298 ValProLeuAsnGly-----CysGlyThrIleArgLysValGluAspGlnSerIleThr 315
Db 5758 TCCCGTCTCATTTGGCACTTACTGTGTGACC-----CAGACAGAAATCCTTTAGC 5805
QY 316 TyrThr---AsnIleIleThrPheSerAlaSerThrSerGluValIleThrArg 333
Db 5806 TCCAGTAGAACTACTGACATTCAGATTCTTCCGACTCTCTGTGTGTCAGGAAG 5862

RESULT 11

US-08-866-650-2

Sequence 2, Application US/08866650

Patent No. 5919321

GENERAL INFORMATION:

APPLICANT: Greenspan, Daniel S

APPLICANT: Takahara, Kazuhiko

APPLICANT: Hoffman, Guy G

TITLE OF INVENTION: Mammalian Tolloid-Like Protein

NUMBER OF SEQUENCES: 13

CORRESPONDENCE ADDRESS:

ADDRESSEE: Quarles & Brady

STREET: 1 South Pinckney Street

CITY: Madison

STATE: WI

COUNTRY: US

ZIP: 53703

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/866.650

FILING DATE:

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Berson, Bennett J

REGISTRATION NUMBER: 37094

REFERENCE/DOCKET NUMBER: 960296.93839

TELECOMMUNICATION INFORMATION:

TELEPHONE: 608-251-5000

TELEFAX: 608-251-9166

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 4771 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

FEATURE:

NAME/KEY: CDS

LOCATION: 611..3652

OTHER INFORMATION: /product= "murine mt11 protein"

US-08-866-650-2

Alignment Scores:

Pred. NO.:

Score:

2.54e-23

Length:

293.00

Matches:

4771

79

RESULT 12

US-09-021-287-2

Percent Similarity: 40.91% Conservative: 47
Best Local Similarity: 25.65% Mismatches: 120
Query Match: 9.56% Indels: 62
DB: 2 Gaps: 9

US-09-864-711-14 (1-585) x US-08-866-650-2 (1-4771)

QY 32 ProSerGluAsnCysThrThrIleGluArgProGluAsnLysSerIleArgIleIle 51
Db 2060 CCAATGAAGGAGTGTGTATGGAAATAATGGTGTCCGAGGGCTACCATGTGGACTGACC 2119
QY 52 PheSerTyrValGluLeuAspProAspGlySerCysGluSerGluAsnIleLysValPhe 71
Db 2120 TTTCAGCCTTTGAGATCGAAGACATGACAGCTGTGCTATGACCCTAGAGATTGCGA 2179
QY 72 AspGlyThrSerSerAsnGlyProLeuLeuGlyGlnValCysSerLysAsnAspTyrVal 91
Db 2180 GATGGAGCCAGTGAGACAGCCCTTTGATAGACGGTCTCTGGT---TATGACAAACCT 2236
QY 92 ProValPheGluSerSerSerThrLeuThrPheGlnIleValThrAspSerAlaArg 111
Db 2237 GAAGATATAAGTCTACTTCCAAACACCTGTGGATGAAGTTTGTCTCTGACGGGACT--- 2293
QY 112 IleGlnArgThrValPheValPheTyrTyrPhe----- 122
Db 2294 GTGAACAAGGCAGGCTTTCCTCGAAGCTTTTAAAGAGGAGAGATGAGTGTGCCAAACCT 2353
QY 123 -----Phe 123
Db 2354 GACCGAGGAGGCTGTGAACAGAGGTGTCTTAACACACTAGGCAGCTACAGTGTGCCTGT 2413
QY 124 SerProAsnIleSerIle---ProAsn-----CysGlyGlyTyr 135
Db 2414 GAGCTGGCTATGAACTGGGCCAGACAGAGAAGCTGTGAAGCTGTTCGGAGGACTT 2473
QY 136 LeuAspThrLeuGluGlySerPheThrSerProAsnTyrProLysProHisProGluLeu 155
Db 2474 CTGACGAAGCTCAATGGCACCATAACACCCCGCTGGCCCAAGAGTAGTACCTCCAAAC 2533
QY 156 AlaTyrCysValTyrHisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLys 175
Db 2534 AAAAACTGTGTGTGCAAGTGTATCGGCCCAAGCCAGTACAGAACTCTGTGAAGTTTGAG 2593
QY 176 GluIlePheLeuGluIleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGly 195
Db 2594 TTTTGTGAATTGGAAGGCAATGAACTTTGCAATACGATTACGTGGAGATCTGGAGCGGC 2653
QY 196 ProSerThrAsnSerGlyLeuIleGlyGlnValCysGlyArgValThrPro---ThrPhe 214
Db 2654 CCTTCTCTGAGTCTAAACTGCATGGCAAGTTCTGTGGCGCTGACATACCTGAAAGTGATG 2713
QY 215 GluSerSerSerAsnSerLeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArg 234
Db 2714 ACTTCCATTTCAACACATGAGGATTGAATTCAGTCAGACACACACTGTATCCAAAGAG 2773
QY 235 GlyPheSerAlaSerTyrThrSer-----Ile 243
Db 2774 GGCITCAAAGCACATTTTCTCTCAGATAAGGATGAGTGTCAAAGGATAATGGTGTGT 2833
QY 244 TyrAlaGluAsnIleAsnThrThr---SerLeuThrCysSerSerAspArgMetArgVal 262
Db 2834 CAGCATGAGTGTGTCAACACCATGGAAGTTACAGTGTCTAGTGC----- 2878
QY 263 IleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGlnLeuLys 282
Db 2879 -----CGGAATGGATTTCGTGTGATGAGAACAGCATGATTGCAAG 2920
QY 283 AspProThrCysArgProLysLeu 290
Db 2921 GAAGCCGAGTGTGAACAGAGATA 2944

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; Sequence 2, Application US/09021287
; Patent No. 5981717
; GENERAL INFORMATION:
; APPLICANT: Greenspan, Daniel S
; APPLICANT: Takahara, Kazuhiko
; APPLICANT: Hoffman, Guy G
; TITLE OF INVENTION: Mammalian Tolloid-Like Protein
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles & Brady
; STREET: 1 South Pinckney Street
; CITY: Madison
; STATE: WI
; COUNTRY: US
; ZIP: 53703
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/021,287
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/866,650
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Bersop, Bennett J
; REGISTRATION NUMBER: 37094
; REFERENCE/DOCKET NUMBER: 960296.93839
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 608-251-5000
; TELEFAX: 608-251-9166
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4771 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 611..3652
; OTHER INFORMATION: /product= "murine mTll protein"
; US-09-021-287-2

Alignment Scores:
Pred. No.: 2,54e-23 Length: 4771
Score: 293.00 Matches: 79
Percent Similarity: 40.91% Conservative: 47
Best Local Similarity: 25.65% Mismatches: 120
Query Match: 9.56% Indels: 62
DB: 2 Gaps: 9

US-09-864-711-14 (1-585) x US-09-021-287-2 (1-4771)
Qy 32 ProSerGluAsnCysThrTrpPhrIleGluArgProGluAsnLysSerIleArgIlele 51
Db 2060 CCAATGAAGAGGTGTATATGAAATAATGGTCCGAGGGCTACCATGTTGGACTGACC 2119
Qy 52 PheSerTyrValGlnLeuAspProAspGlySerCysGluSerGluAsnLysValPhe 71
Db 2120 TTTCAGGCTTTGAGATCGAAGACATGACAGCTGTGCCTATGACCACTAGAGTTGGA 2179
Qy 72 AspGlyThrSerSerAsnGlyProLeuLeuGlyGlnValCysSerLysAsnAspTyrVal 91
Db 2180 GATGGAGCCAGTGAGAACAGCCCTTTGATAGGACGGTCTGTGGT---TATGACAAACCT 2236
Qy 92 ProValPheGluSerSerSerThrLeuThrPheGlnIleValThrAspSerAlaArg 111
Db 2237 GAAGATATAAGGTCTACTTCCAAACACCCCTGTGGATGAAGTTGTCTCTGACGGGACT--- 2293
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Qy 112 IleGlnArgThrValPheValPheTyrTyrPhe----- 122
Db 2294 GTGAACAAGGCAGGGTTTGTGCGAACTTTTAAAGAGGAAGATGAGTGTGCCAAACCT 2353
Qy 123 -----Phe 123
Db 2354 GACCGAGGAGCGTGTGAACAGAGGTCTCTTAACACACTAGGAGCTACCAAGTGTGCTGT 2413
Qy 124 SerProAsnIleSerIle---ProAsn-----CysGlyGlyTyr 135
Db 2414 GAGCTTGGCTATGAACCTGGGGCCAGACAGAGAAGCTGTGAAGCTGCTTTCGGGAGACTT 2473
Qy 136 LeuAspThrLeuGluGlySerPheThrSerProAsnTyrProLysProHisProGluLeu 155
Db 2474 CTGACGAGCTCAATGGCACCATAACACCCCGGCTGCCCCAAGAGTACCTCTCCAAC 2533
Qy 156 AlaTyrCysValTrpHisIleGlnValGluLysAspTyrLysIleLysLeuAsnPhelys 175
Db 2534 AAAAAGCTGTGTGGCAAGTATCGCGCCCAAGCCAGTACAGAATCTCTGTGAAGTTTGAG 2593
Qy 176 GluIlePheLeuGluIleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGly 195
Db 2594 TTTTTCGATTGGAAGCAATGAAGTTTGCATATGATTACGTGAGATCTGGAGCGGC 2653
Qy 196 ProSerThrAsnSerGlyLeuIleGlyGlnValCysGlyArgValThrPro---ThrPhe 214
Db 2654 CCTTCTCTGAGTCTAACTGCAATGCAAGTTCTGTGGCGTGACATACCTGAAGTGATG 2713
Qy 215 GluSerSerSerAsnSerLeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArg 234
Db 2714 ACTTCCATTTCAACACATGAGGATTGAATCAAGATCAGACAACTGTATCCAAAG 2773
Qy 235 GlyPheSerAlaSerTyrThrSer-----Ile 243
Db 2774 GGCTTCAAGCACATTTTTCACAGATAAGGATGAGTGTTCAGAGATAATGCTGCTGT 2833
Qy 244 TyrAlaGluAsnIleAsnThrThr---SerLeuThrCysSerSerAspArgMetArgVal 262
Db 2834 CAGCATGAGTGTGTCAACACGATGGGAAGTTACACGTGTCACTGTCAGTGC----- 2878
Qy 263 IleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGlnLeuLys 282
Db 2879 -----CGAATGATTCGTTGTCATGAGACAAAGCATGATTCGAAG 2920
Qy 283 AspProThrCysArgProLysLeu 290
Db 2921 GAAGCCGAGTGTGAACAGAAGATA 2944

RESULT 13
US-09-240-473-2
; Sequence 2, Application US/09240473
; Patent No. 6297011
; GENERAL INFORMATION:
; APPLICANT: Greenspan, Daniel S
; APPLICANT: Takahara, Kazuhiko
; APPLICANT: Hoffman, Guy G
; TITLE OF INVENTION: Mammalian Tolloid-Like Protein
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles & Brady
; STREET: 1 South Pinckney Street
; CITY: Madison
; STATE: WI
; COUNTRY: US
; ZIP: 53703
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/240,473
; FILING DATE:
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CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Berson, Bennett J
REGISTRATION NUMBER: 37094
REFERENCE/DOCKET NUMBER: 960296.93839
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 4771 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 611..3652
OTHER INFORMATION: /product= "murine mTll protein"
US-09-240-473-2

Alignment Scores:
Pred. No.: 2,54e-23 Length: 4771
Score: 293.00 Matches: 79
Percent Similarity: 40.91% Conservative: 47
Best Local Similarity: 25.65% Mismatches: 120
Query Match: 9.56% Indels: 62
DB: 3 Gaps: 9

US-09-864-711-14 (1-585) X US-09-240-473-2 (1-4771)

QY	32	ProSerGluAsnCysThrTrpThrIleGluAArgProGluAsnLysSerIleArgIleIle 51
DB	2060	CCAATGAGGAGTGTCTATGAAATATGTTGGTCCGAGGCTACCATGTTGGACTGACC 2119
QY	52	PhSerTyValGlnLeuAspProAspGlySerCysGluSerGluAsnIleLysValPhe 71
DB	2120	TTTCAGGCGCTTTGAGATGAAAGCATGACATGACCTGTGCTATGACCACTAGAAAGTTGCA 2179
QY	72	AspGlyThrSerSerAsnGlyProLeuLeuGlyGlnValCysSerLysAsnAspTyVal 91
DB	2180	GATGGAGCCAGTGAACAGCCCTTTGATAGACCGTCTGTGGT---TATGACAAACCT 2236
QY	92	ProValPheGluSerSerSerThrLeuThrPheGlnIleValThrAspSerAlaArg 111
DB	2237	GAAGATATAAGGTCTACTTCCAACACCCCTGTGGATGAAGTTGTCTCTGACGGGACT--- 2293
QY	112	IleGlnArgThrValPheValPheTyTyTyPhe----- 122
DB	2294	GTGAACAAGCGAGGGTTTCTGCGAACCTTTTAAAGAGGAAGATGATGAGTGTGCCAACCT 2353
QY	123	-----Phe 123
DB	2354	GACCGAGGAGGCTGTGAACAGAGGTCTCTTAACACTAGGCAGCTACCATGTCGCTGT 2413
QY	124	SerProAsnIleSerIle---ProAsn-----CysGlyGlyTy 135
DB	2414	GACCTCGGTATGAACCTGGGCGCAGACAGAAAGCTGTGAAGCTGTGCGGAGGACTT 2473
QY	136	LeuAspThrLeuGluGlySerPheThrSerProAsnTyProLysProHisProGluLeu 155
DB	2474	CTGACGAGCTCAATGCGACCATACACCCCGGCTGGCCCAAGAGTACCTCCCAAC 2533
QY	156	AlaTyCysValTrpHisIleGlnValGluLysAspTyTyLysIleLysLeuAsnPhelys 175
DB	2534	AAAACTGTGTGTGGCAAGTGTGCGCCCAAGCCAGTACAGAATCTCTGTAAGTTTGAG 2593
QY	176	GluIlePheLeuGluIleAspLysGlnCysLysPheAspPheLeuAlaIleTyAspGly 195
DB	2594	TTTTTGAATTGAAGGCAATGAAGTTTCAATACGATACGTTGGAGATCTGGAGCGGC 2653
QY	196	ProSerThrAsnSerGlyLeuIleGlnValCysGlyArgValThrPro---ThrPhe 214

2654 CCTCTCTGAGTCTAAACTGCATGGCAAGTCTTGTGGCGCTGACATACCTGAAGTGATG 2711

215 GluSerSerAsnSerLeuThrValValLeuSerThrAspTyTyAlaAsnSerTyArg 234

2714 ACTTCCCATTTCAACAACATGAGGATTGAATTCAAGTCAGACACACTGTATCCAGAAG 2773

235 GlyPheSerAlaSerTyThrSer-----Ile 243

2774 GGCITTCAAAGCAGCATTTTTTCTCAGATAAGGATGAGTTCCTCAAGGATAATGTTGGCTGT 2833

244 TyrAlaGluAsnIleAsnThrThr---SerLeuThrCysSerSerAspMetArgVal 262

2834 CAGCATGAGTGTGTCAACACATGAGGAGTTCACAGTGTCTCAGTGC----- 2878

263 IleIleSerLysSerTyLeuGluAlaPheAsnSerAsnGlyAsnLeuGlnLeuLys 282

2879 -----CGAATCGATTCTGTTCATGAGAACAAGCATGATTGCAAG 2920

283 AspProThrCysArgProLysLeu 290

2921 GAAGCCGAGTGTGAACAGAGATA 2944

RESULT 14
US-08-453-472-2
Sequence 2, Application US/08453472
Patent No. 5626846
GENERAL INFORMATION:
APPLICANT: DEAN, JURRIEN
TITLE OF INVENTION: CONTRACEPTIVE VACCINE
TITLE OF INVENTION: BASED ON ALLOIMMUNIZATION WITH ZONA PELLUCIDA
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
STREET: 345 PARK AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/453,472
FILING DATE: 30-May-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/038,948
FILING DATE: 26-MAR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/930,462
FILING DATE: 20-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/364,379
FILING DATE: 12-JUN-1989
ATTORNEY/AGENT INFORMATION:
NAME: DOROTHY R. AUTH
REGISTRATION NUMBER: 36,434
REFERENCE/DOCKET NUMBER: 2026-4032 US3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEFAX: (212) 751-6849
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2201
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: cDNA
ORIGINAL SOURCE:

```

ORGANISM: mouse
STRAIN:
INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE:
HAPLOTYPE:
TISSUE TYPE:
CELL TYPE:
CELL LINE:
ORGANELLE:
FEATURE:
NAME/KEY: ZP2
LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION: mouse ZP2 cDNA
US-09-453-472-2

Alignment Scores:
Pred. No.: 1,72e-23 Length: 2201
Score: 289.50 Matches: 140
Percent Similarity: 37.72% Conservative: 98
Best Local Similarity: 22.19% Mismatches: 234
Query Match: 9.45% Indels: 159
Gaps: 27

US-09-864-711-14 (1-585) x US-09-453-472-2 (1-2201)
QY 50 llellepheSerTyValglnleuaspProaspGlySerCysGlnSerGluasn----- 67
Db 493 AATATCTTTCTTCCACACCTTTCTCTAGCGTTGCTGATGAAGAACAGAAATGATCT 552
QY 68 -----llelyValpheaspGlyThr----- 74
Db 553 GAGATGGATGATGTTGTAAGATGGCAATGGTACAGAGCCACATCTGCCCTTGAG 612
QY 75 -----SerSerAsnGlyProleuLeuGlyGln 83
Db 613 GATGCCAATGACAAAGATTATCTTCTGATGACAGCCAGAAAGTACTCTCCACGTG 672
QY 84 ValCySerSerLysAsnAspTyValProValPheGlnSerSerSerSerThrleuThrPhe 103
Db 673 CCAGCCAAATGCTAGTGAATGATTCATCTATGCAAGAGAGCAGTACTCATATCTGTG 732
QY 104 Glnlle---ValThrAspSerAlaArglleGlnAgtThrValPheValPheTyThrPhe 122
Db 733 CAGCTGGAGCTCTTGTCTCAACCACTGGGAGAAAGATGCTCTCTACACAGCGTATC 792
QY 123 PheSerProAsnIleSer-----lleProasn 131
Db 793 TGGCGACCAAGATCTTCTGTGCTGTATGCTATACACATGACTCTCATATACAGAA 852
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US-08-038-948-6
Sequence 6, Application US/08038948
Patent No. 5641487
GENERAL INFORMATION:
APPLICANT: DEAN, JURRIEN
TITLE OF INVENTION: CONTRACEPTIVE VACCINE BASED ON
TITLE OF INVENTION: ALLOIMMUNIZATION WITH ZONA PELLUCIDA POLYPEPTIDES
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN, DAREY & CUSHMAN
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/038,948
FILING DATE: 26-MAR-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/930,462
FILING DATE: 20-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/364,379
FILING DATE: 12-JUN-1989
ATTORNEY/AGENT INFORMATION:
NAME: SCOTT, Watson T.
REGISTRATION NUMBER: 26,581
REFERENCE/DOCKET NUMBER: 99152/E-266-88/2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 861-3000
TELEFAX: (202) 822-0944
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 2201 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-038-948-6
Alignment Scores:
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Score: 289.50 Matches: 140
Percent Similarity: 37.72% Conservative: 98
Best Local Similarity: 22.13% Mismatches: 234
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GenCore version 5.1.6
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Run on: February 18, 2004, 19:03:41 ; Search time 605.196 Seconds
(without alignments)
3384.789 Million cell updates/sec

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 2308684 seqs, 1750822206 residues

Total number of hits satisfying chosen parameters: 4617368

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Database :

- Published Applications NA:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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6	3064	100.0	2917	9	US-09-907-824-189	Sequence 189, App
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45	3064	100.0	2917	10	US-09-903-823-189	Sequence 189, App

ALIGNMENTS

RESULT 1

US-09-864-711-1
; Sequence 1, Application US/09864711
; Patent No. US2002007309A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR PANCREATIC DISORDERS
; FILE REFERENCE: PB-0008-1 CIP
; CURRENT APPLICATION NUMBER: US/09/864,711
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PERL Program
; SEQ ID NO: 1
; LENGTH: 1966
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: 223163CT1
US-09-864-711-1

Alignment Scores: 0 Length: 1966
Pred. No.: 0

Score:	3064.00	Matches:	585
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	9	Gaps:	0

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Qy	381	AsnSerPheGluYsThrIleLeuGluSerProTyrTyrValAspLeuAnGlnThrLeu	400
Db	1210	AATTCATTGAAAGAAGACTATACCTTGAATCACCATAATATGTGCTATTGAACCAAACTCTT	1269
Qy	401	PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys	420
Db	1270	TTTGTTCAGATTAGTCTGCACACCTCAGATCCAAATTTGGTGGTGTCTCTTGTGATACCTGT	1329
Qy	421	ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleIysSerGlyCys	440
Db	1330	AGAGCCCTCTCCACCTCTGACTTTGGCATCTCCAACTACGACCTATCAAGAGTGGATGT	1389
Qy	441	SerArgAspGluThrCysIysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe	460
Db	1390	AGTCGAGATGAAACTTTGTAGGTGTATCCCTTATTTGGAACACTATGGGAGATCCAGTTT	1449
Qy	461	AsnAlaPheIysPheLeuArgSerMetSerSerValTyrLeuGlnCysIysValLeuIle	480
Db	1450	AATGCCCTTTAAATCTTGGAGAAGTATGAGCTCTGTGTATCTGCAGTGTAAAGTTTGATA	1509
Qy	481	CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg	500
Db	1510	TGTGATAGCAGTGCACCACCACTCTCGCTGCAATCAAGTTGTGTCTCCAGAAGCAACGA	1569
Qy	501	AspIleSerSerTyrIysThrIysThrAspSerIleIleGlyProIleArgLeuIysArg	520
Db	1570	GCAATTTCTTCATATAATGAAACACAGATTCATCATAGACCCATTCGTCTGAAAANG	1629
Qy	521	AspArgSerAlaSerGlyAnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro	540
Db	1630	GATCGAAGTGCAGTGGCAATTCAGATTTTCAGATGAACAACACATGCGAAGAACTCCA	1689
Qy	541	AsnGlnProPheAnSerValHisLeuPheSerPheMetValLeuAlaLeuAnValVal	560
Db	1690	AACCAGCCTTCAACAGTGTGCACTCTGTTTCTTCATGGTTCTAGCTCGAATGTGGTG	1749
Qy	561	ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln	580
Db	1750	ACTGTACCGAATCACAGTGGGCATTTGTAAATCAACGGGCGAGCTACAAATACAG	1809
Qy	581	LysLeuGlnAnTyr	585
Db	1810	AAGCTGCAGAACTAT	1824
RESULT 2			
US-93-909-320-189			
; Sequence 189, Application US/090909320			
; Patent No. US20020132240A1			
; GENERAL INFORMATION:			
; APPLICANT: Genentech, Inc.			
; APPLICANT: Ashkenazi, Avi			
; APPLICANT: Botstein, David			
; APPLICANT: Desnoyers, Luc			
; APPLICANT: Eaton, Dan L.			
; APPLICANT: Ferriara, Napoleone			
; APPLICANT: Filvaroff, Ellen			
; APPLICANT: Fong, Sherman			
; APPLICANT: Gao, Wei-Qiang			
; APPLICANT: Gerber, Hanspeter			
; APPLICANT: Gerritsen, Mary E.			
; APPLICANT: Goddard, A.			
; APPLICANT: Godowski, Paul J.			

RESULT 2

US-09-909-320-189
; Sequence 189, Application US/09509320
; Patent No. US20020132240A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Flivaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth, J.
 APPLICANT: KJavin, Ivar J.
 APPLICANT: Mather, Jennie P.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William, I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 FILE REFERENCE: 10466-14
 CURRENT APPLICATION NUMBER: US/09/909,320
 CURRENT FILING DATE: 2002-01-04
 PRIOR APPLICATION NUMBER: PCT/US00/04414
 PRIOR FILING DATE: 2000-02-22
 PRIOR APPLICATION NUMBER: US 60/143,048
 PRIOR FILING DATE: 1999-07-07
 PRIOR APPLICATION NUMBER: US 60/145,698
 PRIOR FILING DATE: 1999-07-26
 PRIOR APPLICATION NUMBER: US 60/146,222
 PRIOR FILING DATE: 1999-07-28
 PRIOR APPLICATION NUMBER: PCT/US99/20594
 PRIOR FILING DATE: 1999-09-08
 PRIOR APPLICATION NUMBER: PCT/US99/20944
 PRIOR FILING DATE: 1999-09-13
 PRIOR APPLICATION NUMBER: PCT/US99/21090
 PRIOR FILING DATE: 1999-09-15
 PRIOR APPLICATION NUMBER: PCT/US99/21547
 PRIOR FILING DATE: 1999-09-15
 PRIOR APPLICATION NUMBER: PCT/US99/23089
 PRIOR FILING DATE: 1999-10-05
 PRIOR APPLICATION NUMBER: PCT/US99/28214
 PRIOR FILING DATE: 1999-11-29
 PRIOR APPLICATION NUMBER: PCT/US99/28313
 PRIOR FILING DATE: 1999-11-30
 PRIOR APPLICATION NUMBER: PCT/US99/28564
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/28565
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/30095
 PRIOR FILING DATE: 1999-12-16
 PRIOR APPLICATION NUMBER: PCT/US99/30911
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US99/30999
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US00/00219
 PRIOR FILING DATE: 2000-01-05
 NUMBER OF SEQ ID NOS: 423
 SEQ ID NO 189
 LENGTH: 2917
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-909-320-189
 Alignment Scores:
 Pred. No.: 0
 Score: 3064.00
 Percent Similarity: 100.00%
 Best Local Similarity: 100.00%
 Query Match: 100.00%
 Indels: 0
 Gaps: 0
 Length: 2917
 Matches: 585
 Conservative: 0
 Mismatches: 0
 DB: 9
 US-09-864-711-14 (1-585) x US-09-909-320-189 (1-2917)
 QY 1 MetalAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyAlaAsnMetAla 20
 DB 1030 ATGGCGAGGCTGAAGGAATGCAAGCTGACAGTGCACAGTCTAGGGGGTGCACATATGCA 1089
 QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpIle 40

DB 1090 GAGACCCACAAAGCCATGATCCTGCAACTCAATCCAGTGAACCTGCACCTGGACATA 1149
 QY 41 GluArgProGluAsnLysSerIleAtgIlePheSerTyrValGlnLeuAspProAsp 60
 DB 1150 GAAAGACCAGAAAACAAAGCATCAGAAATATCTTTCTCTATGTCAGCTTGATCCAGAT 1209
 QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlnProLeu 80
 DB 1210 GGAAGCTGTGAAGTGAAGCAATTAAGAGTCTTTGACGAACCTCCAGCAATGGCCCTCTG 1269
 QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
 DB 1270 CTAGGCAAGCTGCTGAGTAAACAGACTATGTTCTCTATTTGAATCATCATCCAGTACA 1329
 QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
 DB 1330 TTGACGTTTCAATAGTTACTGACTCAGCAAGAAATTCAAAGAACTGCTTTTGTCTTCTAC 1389
 QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
 DB 1390 TACTTCTTCTCTCTAATCTCTATTTCCAACTGTGGCGGTACCTGGATACCTTGGAA 1449
 QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr 160
 DB 1450 GGATCCTTACCAGCCCAATTAACCAAGCCGATCTCTGAGCTGGCTTATTTGTGTGG 1509
 QY 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGlyIlePheLeuGlu 180
 DB 1510 CACATACAAAGTGGAGAAAGATTACAAAGTAACTAACTTCAAGAGATTTTCTTGA 1569
 QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
 DB 1570 ATAGACAAACAGTGCATAATTTGATTTTCTTGCCATCTATGATGCCCTCCACCACTCT 1629
 QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
 DB 1630 GGCCTGATTTGACAAAGTCTGTGGCGGTGACTCCCACTTCGAATCGTCAATCAACTCT 1689
 QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
 DB 1690 CTGACTGTCTGTGTGTCTACAGATTATGCCAATTTCTACCGGGGATTTCTGCTTCTAC 1749
 QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
 DB 1750 ACCTCAATTTATGCAGAAAACATCAACACTACTTTAACTTCTCTCTCTGACAGATG 1809
 QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln 280
 DB 1810 AGAGTTATTATAAGCAATCTCTCTAGAGCTTTTACTCTATTAATGGATTAATCTTGCA 1869
 QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
 DB 1870 CTAAAGACCCCAACTTGCAGACCAAAATATCAAAATGTTGGAATTTCTGTCCCTCTT 1929
 QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrAsnIleIle 320
 DB 1930 AATGATGTGGTACAAATCAGAAAGGTAGAGTCAATTAATTAATCAACCAATATAATC 1989
 QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
 DB 1990 ACCTTTTCTGCATCTCAACTTCTGAAGTGTACCCGTCAGAAAACAACTCCAGATTATT 2049
 QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
 DB 2050 GTGAAGTGTGAATGGGACATAATTTCTACGTGGAGATAATATACATACAGAAATGAT 2109
 QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
 DB 2110 GTATACAAAGTCAAAATGCACTGGCAAAATATACACCAAGCATGGCTCTTTTGAATCC 2169
 QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400

Db 2170 AATTCATTGAAAGACTATATCTTGAATCACCATTATATGTGATTTGAACCAACTCTT 2229
Qy 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
Db 2230 TTTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGTGTTCTTGATACCTGT 2289
Qy 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuLeuLeuSerGlyCys 440
Db 2290 AGAGCCTCTCCACTCTGACTTTGCATCTCCAACTTACGACCTAATCAAGAGTGGATGT 2349
Qy 441 SerArgAspGluThrCysLeuValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
Db 2350 AGTCGAGATGAACCTTTGAAGGTGTATCCCTTATTTGGACATATGGAGATTTCCAGTTT 2409
Qy 461 AsnAlaPheLysPheLeuArgSerMetSerValTyrLeuGlnCysLysValLeuLeu 480
Db 2410 AATCCCTTAAATCTTTGAGAAGTATGAGCTCTGTGTATCTGCAGTGTAAAGTTTTGATA 2469
Qy 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCAGTACCAACCACTCTCGCTGCAATCAAGGTTGTCTCTCCAGAACCAACGA 2529
Qy 501 AspIleSerSerTyrLysTyrLysThrAspSerIleLeuGlyProIleArgLeuLysArg 520
Db 2530 GACATTTCTTCATATAAATGGAACAGATTCATCATAGACCCATTCTCTGAAAGG 2589
Qy 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
Db 2590 GATCGAAGTGCAGTGCAGTCAATTCAGGATTTTCAGCATGAAACACATCGGGAAGAACTCCA 2649
Qy 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACGAGCTTTCAACAGTGTGCATCTCTTTTCTTCATGTTCTAGCTCTGAATGTGGTG 2709
Qy 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGTAGCGCAATCACAGTGGAGCAATTTGTAAATCAACGGGCGAGACTACAATAACCG 2769
Qy 581 LysLeuGlnAsnTyr 585
Db 2770 AAGCTGCAGAACTAT 2784

RESULT 3
US-09-909-088B-189
; Sequence 189, Application US/09909088B
; Patent No. US20020146709A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909,088B
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-088B-189

Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 3064.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-864-711-14 (1-585) x US-09-909-088B-189 (1-2917)

Qy 1 MetalAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
Db 1030 ATGGCGGAGGCTGAAGCAATGCAAGCTGCACAGTCAGTCTAGGGGGTGCCAATATGCGCA 1089
Qy 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTriPThrIle 40
Db 1090 GAGACCCCAAGCCATGATCTGCACTCATCCAGTGAGAACTGCACCTGGACAAATA 1149
Qy 41 GluArgProGluAsnLysSerIleArgIlePheSerTyrValGlnLeuAspProAsp 60
Db 1150 GAAAGACCAGAAACAAAGCATCATCTGCACTCATCCAGTGAGAACTGCACCTGGACAAATA 1209
Qy 61 GlySerCysGluSerGluAsnIleIysValPheAspGlyThrSerSerAsnGlyProLeu 80
Db 1210 GGAAGCTGTGAAGTGAAGAAACATTAAGTCTTTTGACGGAACCTCCAGCAATGGCCCTCTG 1269
Qy 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100

Db 1270 CTAGGGCAAGTCTCGACGTAAACACGACTATGTTCTGTATTTGAATCATCATCCAGTACA 1329
Qy 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
Db 1330 TTGAGGTTTCAATAGTACTGCTACGACGAAGATTCAGAGAACTGCTTTGTCTCTAC 1389
Qy 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
Db 1390 TACTTCT 1449
Qy 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr 160
Db 1450 GGATCTCTTCCACGCCCAATACCAAGCCGATCTCTGAGCTGGCTTATTTGTGTGG 1509
Qy 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
Db 1510 CACATACAAAGTGGAGAAAGATTACAGATAAACTAAACTTCAAGAGATTTTCTCTAGAA 1569
Qy 181 IleAspLysGlnCysLysPheAspPheLeuAlaTyrAspGlyProSerThrAsnSer 200
Db 1570 ATAGACAAACAGTGCATTTGATTTTCTGCGCATCTATGATGCGCGGATTTTCTGCTCT 1629
Qy 201 GlyLeuIleGlnValCysGlyArgValThrProThrPheGluSerSerAsnSer 220
Db 1630 GGCTGTGTTGACAAAGTCTGGCGGTGCTGACTCCACCTTCGAATCGTCATCAAACTCT 1689
Qy 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
Db 1690 CTGACTGTCGTGTTGTTCTACAGATTTATGCCAATTTCTTACCGGGGATTTTCTGCTCT 1749
Qy 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
Db 1750 ACCTCAATTTATGAGAAACATCAACACTACATCTTTACTTCTCTCTGACAGATG 1809
Qy 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
Db 1810 AGAGTTATTATAGCAAACTCTACTAGAGCTTTTAACTCTAATGGGAATAACTTGCAA 1869
Qy 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
Db 1870 CTAAAGACCCACTTGACAGCAAAATTTCAATTTGTTGGAATTTTCTGCTCTCTCT 1929
Qy 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
Db 1930 AATGGATGTGTACAAATCAGAAAGTGAAGATCAGTCAATTTACTTACACCAATAATC 1989
Qy 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
Db 1990 ACCTTTTCTGATCTCTCAACTTCTGAAGTGTATCACCCTCAGAAACAACTCCAGATTAT 2049
Qy 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
Db 2050 GTGAAGTGTGAATGGGACATAATTTCTACAGTGGAGATATATACATAACAGAGATGAT 2109
Qy 361 VallieGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db 2110 GTAATACAAAGTCAAAATGCACTGGGCAATATATAACACCAAGCATGGCTCTTTTGAATC 2169
Qy 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
Db 2170 AATTCATTTGAAGACTTACTTTGAATCACCATTATTTGATTTGATTTGAACCAACTCTT 2229
Qy 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
Db 2230 TTTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGGTCTTTCTTGATACCTGT 2289
Qy 421 ArgIleSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
Db 2290 AGACCTCTCCCACTCTGACTTTGCACTCTCCACCTTACCACTTAATCAAGAGTGGATGT 2349
Qy 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
Db 2350 AGTCGAGATGAACCTTGTGAAGTGTATCCCTTATTTGGACACATATGGAGATTTCCAGTTT 2409

Qy 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrIleuGlnCysLysValleuIle 480
Db 2410 AATGCTTTTAAATCTTTGAGAAGTATGAGCTCTGTATCTGCACTGTAAGTTTGTATA 2469
Qy 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCAGTGCACCACTCTGCTGCTCAATCAAGTTGTGTCTCCAGAGCAACGA 2529
Qy 501 AspIleSerSerTyrLysTyrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
Db 2530 GACATTTCTCATATAAATGGAACAGATTCATCATAGACCCATTCGTCTGAAAGG 2589
Qy 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
Db 2590 GATCGAAGTGAAGTGGCAATTCAGGATTTTCAGCATGAAACACATGCGGAGAACTCCA 2649
Qy 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACCGACCTTTCAACAGTGTGCACTGTTTCTCTCATGTTCTAGCTCTGAATGTGTG 2709
Qy 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGTAGCGCAATCACAGTGGGCAATTTGTAAATCAACGGGCGAGACTACAAATACCAG 2769
Qy 581 LysLeuGlnAsnTyr 585
Db 2770 AAGTGCAGAACTAT 2784

RESULT 4
US-09-905-291A-189
: Sequence 189, Application US/09905291A
: Patent No. US20020160374A1
: GENERAL INFORMATION:
: APPLICANT: Genentech, Inc.
: APPLICANT: Ashkenazi, Avi
: APPLICANT: Botstein, David
: APPLICANT: Desnovers, Luc
: APPLICANT: Eaton, Dan L.
: APPLICANT: Ferrara, Napoleone
: APPLICANT: Filvaroff, Ellen
: APPLICANT: Fong, Sherman
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Gerber, Hanspeter
: APPLICANT: Gerritsen, Mary E.
: APPLICANT: Goddard, A.
: APPLICANT: Godowski, Paul J.
: APPLICANT: Grimaldi, Christopher J.
: APPLICANT: Gurney, Austin L.
: APPLICANT: Hillan, Kenneth, J.
: APPLICANT: Kljavin, Ivar J.
: APPLICANT: Mather, Jennie P.
: APPLICANT: Pan, James
: APPLICANT: Paoni, Nicholas F.
: APPLICANT: Roy, Margaret Ann
: APPLICANT: Stewart, Timothy A.
: APPLICANT: Tumas, Daniel
: APPLICANT: Williams, P. Mickey
: APPLICANT: Wood, William, I.
: TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
: TITLE OF INVENTION: Acids Encoding the Same
: FILE REFERENCE: 10466-14
: CURRENT APPLICATION NUMBER: US/09/905/291A
: PRIOR FILING DATE: 2001-07-12
: PRIOR APPLICATION NUMBER: PCT/US00/04414
: PRIOR FILING DATE: 2000-02-22
: PRIOR APPLICATION NUMBER: US 60/143,048
: PRIOR FILING DATE: 1999-07-07
: PRIOR APPLICATION NUMBER: US 60/145,698
: PRIOR FILING DATE: 1999-07-26
: PRIOR APPLICATION NUMBER: US 60/146,222
: PRIOR FILING DATE: 1999-07-28
: PRIOR APPLICATION NUMBER: PCT/US99/20594

; PRIOR FILING DATE: 1999-09-08
 ; PRIOR APPLICATION NUMBER: PCT/US99/20944
 ; PRIOR FILING DATE: 1999-09-13
 ; PRIOR APPLICATION NUMBER: PCT/US99/21090
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/21547
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/23089
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: PCT/US99/28214
 ; PRIOR FILING DATE: 1999-11-29
 ; PRIOR APPLICATION NUMBER: PCT/US99/28313
 ; PRIOR FILING DATE: 1999-11-30
 ; PRIOR APPLICATION NUMBER: PCT/US99/28564
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 189
 ; LENGTH: 2917
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-905-291A-189

Alignment Scores:
 Pred. No.: 0 Length: 2917
 Score: 3064.00 Matches: 585
 Percent Similarity: 100.0% Conservative: 0
 Best Local Similarity: 100.0% Mismatches: 0
 Query Match: 100.0% Indels: 0
 DB: 9 Gaps: 0

US-09-864-711-14 (1-585) x US-09-905-291A-189 (1-2917)

QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
 Db 1030 ATGGCGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCTAGGGGGTGCCAAATATGGCA 1089
 QY 21 GluThrHisLeuAlaMetileLeuGlnLeuAsnProSerGluAsnProSerThrThrile 40
 Db 1090 GAGACCCACAAGCCATGATCTGCAACTCAATCCAGTGAGAACTGCACCTGGACATA 1149
 QY 41 GluArgProGluAsnLysSerileArgllePheSerTyrValGlnLeuAspProasp 60
 Db 1150 GAAAGCCAGAAACAAAAGCATCAAGATTATCTTTTCCATGTCCAGCTTCAGAT 1209
 QY 61 GlySerCysGluSerGluAsnLysValPheAspGlyThrSerSerAsnGlyProLeu 80
 Db 1210 GGAAGCTGTGAAGTGAAACATTAAGTCTTTGACGNACTCCAGCAATGGGCTCTG 1269
 QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
 Db 1270 CTAGGCAAGTCTGCAGTAAAAACGACTATGTCTCTGTTATTTGAATCATCATCCAGTACA 1329
 QY 101 LeuThrPheGlnIleValThrAspSerAlaArglleGlnArgThrValPheValPheTyr 120
 Db 1330 TTGACGTTTCAATAGTACTGACTCAGCAAGAAATCAAGAACTGTCTTTGTCTTCTAC 1389
 QY 121 TyrPhePheSerProAsnIleSerileProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
 Db 1390 TACTTCTTCTCTCTAAACATCTTATCCAAACTGTGGGGTTACTTGATACCTTGAA 1449
 QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTrp 160
 Db 1450 GGATCTCTTACCAGGCCCAATTAACCAAGCCGCACTCTGAGCTGGCTTATTTGTGTGG 1509

QY 161 HisIleGlnValGluLysAspTyrLysIleLeuAsnPhelLysGluIlePheLeuGlu 180
 Db 1510 CACATACAAGTGGAGAAAGATTACAGATAAAATAAATTAACCTTCAAGAGATTTCCTAGAA 1569
 QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
 Db 1570 ATAGACAAACAGTGCATAATTTGATTTTTCGTCATCTATGATGGCCCTCCCAACTCT 1629
 QY 201 GlyLeuIleGlyGlnValCysGlyValThrProThrPheGluSerSerSerAsnSer 220
 Db 1630 GGCTGATTGGACAAGCTGTGGCCCTGTGACTCCCACTTCGATCGTCATCAAACTCT 1689
 QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
 Db 1690 CTGACTGTCTGTGTGTCTACAGATTATGCAATTTCTTACCGGGGATTTTCTGCTCTCTAC 1749
 QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
 Db 1750 ACCTCAATTTATGCAAGAAACATCAACTACATCTTTAACTTGTCTCTCTGACAGGATG 1809
 QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln 280
 Db 1810 AGAGTTATTATAGCAAAATCTTACCTAGAGGCTTTTAACTTAATGGGAATAACTTGCAA 1869
 QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
 Db 1870 CTAAAGACCCCACTTGCAGACCAAAATTTATCAATTTGTGGAAATTTTCTGCTCTCTCT 1929
 QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
 Db 1930 AATGGATGTGTACAAATCAGAAAGGTAGAAAGATCAGTCAATTTACTACCAATAATATC 1989
 QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
 Db 1990 ACCTTTTTCGCACTCCCACTTCTGAGTGATCACCCTGCAGAAACAACTCCAGATTATT 2049
 QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAsp 360
 Db 2050 GTGAAGTGTGAATGGACATAATTTCTACGTGGAGATAATATATATACATACAGAAATGAT 2109
 QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
 Db 2110 GTAATACAAGTCAAAATGCACTGGCGCAATATAAACCCAGCATGGCTCTTTTGAATCC 2169
 QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
 Db 2170 AATTCATTTGAAAGAGCTATATCTTGAATCACCATAATTTATGTGGATTGACCAAACTCT 2229
 QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
 Db 2230 TTTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGTGTCTTGTATACCTGT 2289
 QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
 Db 2290 AGAGCTCTCCCACTCTGACTTTCATCTCCCACTCAGACCTTAATCAGAGTGAGTGT 2349
 QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
 Db 2350 AGTCGAGATGAATCTGTAAGGTGTATCCCTATTATGACACTATGGAGATTCAGATT 2409
 QY 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
 Db 2410 AATGCTTTTAAATTTCTTGAGAAATGAGCTCTGTGTATCTGCACTGTAAAGTTTGTATA 2469
 QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
 Db 2470 TGTGATAGCAGTGACCCAGCTCTGCTGCATCAAGGTTGTGTCTCCAGAGCAAAACA 2529
 QY 501 AspIleSerSerTyrLysTrpLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
 Db 2530 GACATTTCTTATATAAATGGAAAAACAGATTCCATCATAGGACCCATTCGTCTGTAAGG 2589

221 LeuThrValValLeuSerThrAspTyrAlaLeuSerTyrArgGlyPheSerAlaSerTyr 240
1690 CTGACTGTCGTGTTCTACAGATTATGCCAATCTTACCGGGATTTCTGCTTCCTAC 1749
241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
1750 ACTCAATTTATGAGAAACAACTCAACTATCTTTAACTTGCTCTTCGACAGGATG 1809
261 ArgValIleIleSerIleSerTyrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln 280
1810 AGAGTTATTATAGCAAAATCTTACCTAGAGGCTTTTAACTCTAATGGGAATACTGCAA 1869
281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
1870 CTAAAGACCCCACTTGCAGCAAAATATCAAAATGTGTGGAAATTTCTGCTCCCTCTT 1929
301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrThrAsnIleIle 320
1930 AATGGATGTGTACAAATCAGAAAGGTAGAAGATCAGTCAATTAATCAACCAATATAATC 1989
321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
1990 ACCTTTTCTGCATCTCAACTTCTGAAGTGATCACCCTGCAAGAACCACTCCAGATTATT 2049
341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleIleThrIleThrGluAspAsp 360
2050 GTGAAGTGTGAATGGGACATAATTTCTACAGTGGAGATAATATACATAACAGAGATGAT 2109
361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
2110 GTAATACAAAGTCAAAATGGCATGGGCAAAATATACACAGCATGGCTCTTTTGAATCC 2169
381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
2170 AATTCATTTGAAAGACTATCTTGAATCACATATATATGAGATTTGAACCAACTCTT 2229
401 PheValGlnValSerLeuHisThrSerAspProLeuValValPheLeuAspThrCys 420
2230 TTTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGGTGTCTTTGATACCTGT 2289
421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
2290 AGAGCTCTCCACCTCTGACTTGGCATCTCCACCTACGACCTTAATCAGAGTGGATG 2349
441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
2350 AGTCAGATGAACTTGAAGTGATCCCTTATTTGGACACTATGGGAGATTCCACTTT 2409
461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
2410 AATGCTTTAAATCTTGAAGATGATGAGCTCTGTATATCTGCAGTGTAAAGTTTGTATA 2469
481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
2470 TGTGATAGCAGTGACCAACAGCTCTGCTGCAATCAAGTTGTGTCTCCAGAGCAACGA 2529
501 AspIleSerSerTyrLysTyrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
2530 GACATTTCTTATATAATGGAACAGATTCATCATAGACCCATTCGTCTGAAAGG 2589
521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
2590 GATCAAGTGCAGTGGCAATTCAGGATTTGAGATGAAACATGCGGAGAAACTCCA 2649
541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
2650 AACAGCCTTCAACAGGTGTCATCTGTTTCCCTTCATGCTTGTAGCTCTGATGTGGTG 2709
561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
2710 ACTGTAGGACAAATCACAGTGAGGATTTGTAAATCAACGGGAGAGCTCAAAATACCG 2769
581 LysLeuGlnAsnTyr 585

Db 2770 AAGTCGACAGACTAT 2784

RESULT 6

US-09-907-824-189
Sequence 189, Application US/09907824
Publication No. US20020197671A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas P.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
Acids Encoding the Same
TITLE OF INVENTION: 10466-14
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907,824
CURRENT FILING DATE: 2001-07-17
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219

; PRIOR FILING DATE: 2000-01-05

; NUMBER OF SEQ ID NOS: 423

; SEQ ID NO 189

; LENGTH: 2917

; TYPE: DNA

; ORGANISM: Homo Sapien

US-09-907-824-189

Alignment Scores:

Pred. No.: 0 Length: 2917
 Score: 3064.00 Matches: 585
 Percent Similarity: 100.00% Conservativity: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 9 Gaps: 0

US-09-864-711-14 (1-585) x US-09-907-824-189 (1-2917)

QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
 Db 1030 ATGGCGAGGCTGAAGCAATCAAGCTGCACAGTCAGTCAGTCTAGGGGGTCCCAATATGCA 1089
 QY 21 GluThrHisGlyAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrThrIle 40
 Db 1090 GAGACCCACAAAGCCATGATCTCGCAACTCAATCCAGTGAGAACTGCACCTGGACACATA 1149
 QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAspProAsp 60
 Db 1150 GAAAGCCAGAAACAAAGCATCAGATTATCTTTCTATGTCACGCTTGATCCAGAT 1209
 QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
 Db 1210 GGAAGCTGTGAAAGTGAAACAAATTAAGTCTTTGACGGAACTCCAGCAATGGGCTCTG 1269
 QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
 Db 1270 CTAGGGCAAGCTCTGAGTAAACAGCATATGTTCTCTGTTATGGAATCATCATCCAGTACA 1329
 QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
 Db 1330 TTGACGTTTTCAATAGTTACTCACTCAGCAAGAAATCAAGAACTGTCTTTGTTCTTCTAC 1389
 QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
 Db 1390 TACTTCTCTCTCTCAATATCTTATCCAACTGTGGCGGTACCTGGATACCTTGGA 1449
 QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr 160
 Db 1450 GGATCCTTCACCGCCCAATTAACCAAGCGCATCTCTGAGTGGCTTATTTGTGTGG 1509
 QY 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
 Db 1510 CACATACAGTGGAGAAAGATTACAAAGATAAACTAAACTTTCAAGAGATTTCCTAGAA 1569
 QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
 Db 1570 ATAGACAACAGTGCATTTGATTTCTTGCCATCTATGATGGCCCTCCACCAACTCT 1629
 QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerAsnSer 220
 Db 1630 GGCCTGATTTGGACAAGTCTGTGGCGGTGTGACTCCCACTTCGAATCGTCATCAAACTCT 1689
 QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
 Db 1690 CTGACTGTCTGTCTACAGATTATGCCAATCTTACCGGGGATTTCTGCTTCCTAC 1749
 QY 241 ThrSerIleTyrAlaGluAlaAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
 Db 1750 ACCTCAATTTATGCAGAAACATCAACTACATCTTTAACTTCTCTCTCTGACAGATG 1809
 QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
 Db 1810 AGAGTTATTATAAGCAATCTCTACCTACCTAGAGGCTTTTAACTCTTAATGGGAATACTGCAA 1869

QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
 Db 1870 CTAAGAAGCCCAACTTGCAGACCAAAATTTATCAATTTGTGTGAAATTTCTGTCCCTCTT 1929
 QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
 Db 1930 AATGGATGTGGTACAAATCAGAAAGGTAGAAATCAGTCAATTTACTACCAATATAATC 1989
 QY 321 ThrPheSerAlaSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
 Db 1990 ACCTTTTCTCATCTCAACTCTGAGTGATCAACCGTCAGAAACAACCTCCAGATTATT 2049
 QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
 Db 2050 GTGAAGTGTGAATGGGACATAATCTACAGTGGAGATAAATATACATACAGAAGATGAT 2109
 QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
 Db 2110 GTAATACAAAGTCAAAATGCACTGGGCAATATACACAGCATGGCTCTTTTGAATCC 2169
 QY 381 AsnSerPheGluLysThrIleLeuGlnSerProTyrTyrValAspLeuAsnGlnThrLeu 400
 Db 2170 AATTCAATTTGAAAGACTATCTTGAATCACCATTATTTATGTGGATTGGAACCAACTCTT 2229
 QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
 Db 2230 TTTGTTCAAGTTAGTCTGCACCTCAGATCCAAATTTGGTGGTGTCTTCTGATACCTGT 2289
 QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
 Db 2290 AGAGCTCTCCCACTCTGACTTGTGATCTCCAACTCAGACCTAATCAAGAGTGGATGT 2349
 QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
 Db 2350 AGTCGAGATGAACCTTGTAAAGTGTATCCCTTATTTGGACACTATGGGAGATTCCAGTTT 2409
 QY 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
 Db 2410 AATGCCCTTTAAATCTTTGAGAAGTATGAGTCTGTGTATCTGCAGTGTAAAGTTTGATA 2469
 QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
 Db 2470 TGTGATAGCAGTGACCAACAGTCTCGTGCATCAAGGTGTGTCTCCAGAAGCAACGA 2529
 QY 501 AspIleSerSerTyrLysTyrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
 Db 2530 GACATTTCTTATATAATGAAAGAAACAGATTCATCATAGACCCATTCGTCTGAAAGG 2589
 QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
 Db 2590 GATCGAAGTCAAGTGGCAATTCAGGATTTCAAGCATGAAACACATCGCGAAGAACTCCA 2649
 QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
 Db 2650 AACCGCTTTCAACAGTGTGCTCTGTTTCCCTTCATGGTTCTAGCTCTGAATGGGTG 2709
 QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
 Db 2710 ACTGTAGCACAATCACAGTGGAGCATTTGTAAATCAACGGCGAGACTACAAATACCAG 2769
 QY 581 LysLeuGlnAsnTyr 585
 Db 2770 AAGCTGCAGAACTAT 2784

RESULT 7

US-09-907-841-189

; Sequence 189, Application US/09907841

; Publication No. US20020198366A1

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

Db 2230 TTTGTCAGTAGTCTGCACACTCAGATCCAAATTTGGGGTGTTCCTTGATACCTGT 2289
Qy 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrrAspLeuIleLysSerGlyCys 440
Db 2290 AGAGCCTCTCCACCTCTGACTTTGTCATCTCCAACTACGACCTAATCAAGAGTGGATGT 2349
Qy 441 SerArgAspGluThrCysLeuValTyrrProLeuPheGlyHisTyrrGlyArgPheGlnPhe 460
Db 2350 AGTCAGATGAACACTTGAAGGTGTATCCCTTATTGGACACTATGGAGATCCAGTTT 2409
Qy 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrrLeuGlnCysLysValLeuIle 480
Db 2410 AATGCTTTAAATCTTCTGAGAAGTATGAGCTCTGTGTATCTGCAGTCTAAAGTTTGATA 2469
Qy 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCAGTACCACTCTCGCTGCAATCAAGGTTGTGTCTCCAGAAGCAACGA 2529
Qy 501 AspIleSerSerTyrrLysTrpLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
Db 2530 GACATTTCTTATATATGAAACAGATTCATCATAGGACCCATCTGCTGAAAGG 2589
Qy 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
Db 2590 GATCGAGTGAAGTGGCAATTCAGGATTTTCAGCATGAAACACATGCGGAAGAACTCCA 2649
Qy 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACGAGCTTTCAACAGTGCATCTGTTTTCCTTCATGGTTTCAGTCTGAAATGGTG 2709
Qy 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrrLysTyrrGln 580
Db 2710 ACTGTAGCGCAATCACAGTGAAGCAATTTTGTAATCAACGGGCGAGACTACAAATACCAG 2769
Qy 581 LysLeuGlnAsnTyrr 585
Db 2770 AAGCTGCAGAACTAT 2784

RESULT 8

US-09-904-011-189
; Sequence 189 Application US/09904011
; Publication No. US20030003530A1

GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Deanovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904.011

; CURRENT FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-904-011-189

Alignment Scores:

Pred. No.:	0	Length:	2917
Score:	3064.00	Matches:	585
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	10	Gaps:	0

US-09-864-711-14 (1-585) x US-09-904-011-189 (1-2917)

Qy	1	MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla	20
Db	1030	ATGGCGGAGGCTGAAGCAATGCAAGCTGCACAGTCAGTCTAGGGGGTGCCAATATGGCA	1089
Qy	21	GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle	40
Db	1090	GAGACCCCAAGCAATGATCCTGCAACTCAATCCAGTAGAAGTGCACCTGGACAATA	1149
Qy	41	GluArgProGluAsnLysSerIleArgIlePheSerTyrrValGlnLeuAspProAsp	60
Db	1150	GAAGAGCCAGAAACAAAGCATCAGAAATATCTTTCTATGTCAGCTTGATCCAGAT	1209
Qy	61	GlySerCysGluSerGluAsnIleLysValPheAspClyThrSerSerAsnGlyProLeu	80
Db	1210	GGAAGCTGTGAAGTGAAGCAATTAAGTCTTTGACGGAACCTCCAGCAATGGGCTCTG	1269
Qy	81	LeuGlyGlnValCysSerLysAsnAspTyrrValProValPheGluSerSerSerThr	100
Db	1270	CTAGGGCAAGTCTGCACTAANAACGACTATGTTCTCTGTTATTTGATCATCATCCATACA	1329

QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
DB 1330 TTGACGTTTCAATAGTACTAGTACAGCAAGAAATCAAGAAGTGTCTTGTCTTCTAC 1389
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyIleValAspThrLeuGlu 140
DB 1390 TACTTCTTCTCTCAACATCTCTATCCAAATCTGGCGGTACTCGATACCTTGGAA 1449
QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr 160
DB 1450 GGATCTTCCACAGCCCCAATACCCAAAGCCGATCTCTGAGCTGGCTTATTGTGTGG 1509
QY 161 HisIleGlnValGluLysAspTyrIleLysLeuAsnPhyGluIlePheLeuGlu 180
DB 1510 CACATCAAGTGGAGAAAGATTACAGATATAAACTTCAAGAGATTTTCTCAGAA 1569
QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
DB 1570 ATAGACAAACAGTGCATTTGATTTCTTGCCATCTATGATGGCCCTCCACCACTCT 1629
QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerAsnSer 220
DB 1630 GGCCTGATTGGCAAGTCTGTGGCGGTGACTCCACCTTCGAATCTGCATCAACTCT 1689
QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
DB 1690 CTGACTGTCTGTGTCTACAGATTATGCCAATTTCTTACCGGGATTTTGTCTTCTTAC 1749
QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
DB 1750 ACCTCAATTTATGCGAAGAAACATCAACATCATCTTTAACTTGTCTTCTGACAGGATG 1809
QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln 280
DB 1810 AGAGTTATTATAGCAAAATCTTACCTAGAGGCTTTTAACTCTAAATGGGAATCACTTCAA 1869
QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
DB 1870 CTAAAGACCCCACTTGCAGACCAAAATATCAATGTGTGGATTTTCTGTCTCTT 1929
QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
DB 1930 AATGATGTGGTACATCAATCAAGAGTGAAGATCAGTCAATTTACTTACCAATATATATC 1989
QY 321 ThrPheSerAlaSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
DB 1990 ACCTTTCTGCATCTCAACTTCTGAGTGTATCACCGTCAAGAACAACTCCAGATTAT 2049
QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
DB 2050 GTGAAGTGTGAATGGACATTAATCTCAGTGGAGATAATATACATTAACAGAGATCAT 2109
QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
DB 2110 GTAATACAAGTCAAAATGCACTGGCAATATAACACAGATGCTCTTTTGAATCC 2169
QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
DB 2170 AATTCATTTGAAAGACATATCTTGAATCACCATATTATGTGGATTTTGAACCAACTCT 2229
QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValPheLeuAspThrCys 420
DB 2230 TTGTTCAGGTAGTCTGCACACCTCAGATCCAAATTTGGTGGTGTCTTGTGATACCTGT 2289
QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
DB 2290 AGAGCTCTCCACCTCTGACTTTTGCATCTCAACTCAGACCTTAATCAAGTGGATGT 2349
QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
DB 2350 AGTCGAGATGAAACTTGAAGGTGTATCCCTTATTGGACATCTATGGAGATTCAGTTT 2409

QY 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
DB 2410 AATGCCCTTTAAATCTTTGAGAGTATGAGCTCTGTGTATCTGCAGTGTAAAGTTTGTATA 2469
QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
DB 2470 TGTGATAGCAGTGCACCACTGCTCGTCAATCAAGTGTGTCTCTCCAGAAACCAACGA 2529
QY 501 AspIleSerSerTyrLysTyrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
DB 2530 GACATTTCTCATATATAATGGAAAACAGATTCCATCATAGGACCCATCTCTCTGAAAGG 2589
QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
DB 2590 GATCGAAGTGCAGTGGCAATTCAGGATTTCAAGCATGAAACACATCGCGAAGAACTCCA 2649
QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
DB 2650 AACAGCCCTTCAACAGTGTGCATCTGTCTTCTCATGTTCTAGCTCTGAATGTGGTG 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
DB 2710 ACTGTAGCGACCAATCACAGTGAAGCATCTGTCTTCTCATGTTCTAGCTCTGAATGTGGTG 2769
QY 581 LysLeuGlnAsnTyr 585
DB 2770 AGCTGCAGAACTAT 2784

RESULT 9
US-09-906-742-189
; Sequence 189, Application US/09906742
; Publication No. US20030023054A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas P.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumaas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,742
; CURRENT FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28

Db	1450	GGATCTCTTACAGAGCCCAATTACCCAAAGCCGCATCCTGAGCTGGCTTATTGTGTGGTGG	1509
Qy	1461	HisileGlnValGluLysAspTyrLysIleLysLeuAsnPhelysGluIlePheLeuGlu	180
Db	1510	CACATACAAGTGGAGAAAGATTACAAGATAAACTAAACTTCAAGAGATTTTCCCTAGAA	1569
Qy	1481	IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer	200
Db	1570	ATAGACAAACAGTCCAAATTGGATTTTCTTGCCATCTATGATGCGCCCTCCACCAACTCT	1629
Qy	201	GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer	220
Db	1630	GGCCGTGATTGACACAGTCTGTGGCGGTGTGACTCCCACTTCGATCGTATCAAACTCT	1689
Qy	221	LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr	240
Db	1690	CTGACTGTGCTGTGTCTCTACAGATTATGCCAAATTTTACCGGGGATTTTCTGTCTCTCAT	1749
Qy	241	ThrSerIleTyrAlaGluAsnIleAsnThrSerSerLeuThrCysSerSerAspArgMet	260
Db	1750	ACCTCAATTTATGCAGAAACATCAACATCTTAATCTTTAACTTGCTCTTCTGCACAGATG	1809
Qy	261	ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln	280
Db	1810	AGAGTTATTATTAAGCAAAATCCTACCTAGAGGCTTTTAACTCTAATGGGAATACTTGCAA	1869
Qy	281	LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu	300
Db	1870	CTAAAGACCCAACTTCACAGACCAAAATATCAAAATGTGTGGAAATTTTCTGTCCTCTTT	1929
Qy	301	AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle	320
Db	1930	AATGGATGTGGTACAATCAGAAAGGTAGAGATCAGTCAATTACTTACACCATATAATC	1989
Qy	321	ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle	340
Db	1990	ACCTTTTCTGCATCCTCAACTCTCTGAAGTGATCACCCGTCAGAAACAATCCACAGATATT	2049
Qy	341	ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp	360
Db	2050	GTGAAGTGTGAATGGGACATATTCTCAGTGGAGATAATATACATAACAGNAGATGAT	2109
Qy	361	ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer	380
Db	2110	GTAATACAAAGTCAAAATGCACCTGGGCAAAATAAACACAGCATGGCTCTTTTGGAAATCC	2169
Qy	381	AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu	400
Db	2170	AATTCAATTTGAAAGAGCTATACTTGAATCACCAATATTATGTGATTTGAACCAAACTCTT	2229
Qy	401	PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys	420
Db	2230	TTTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGGTGTCTTCTGCATACCTGT	2289
Qy	421	ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys	440
Db	2290	AGAGCCTCTCCCACTCTGACTTTGGCATCTCCAACTACGACCTAATCAAGAGTGGATGT	2349
Qy	441	SerArgAspGluThrCysLysValTyrProLeuPheGlyHisIleTyrGlyArgPheGlnPhe	460
Db	2350	AGTCGAGATGAAACTTTGTAAGGTGTATCCTTATTITGGACATATGGGAGATTTCCAGTTT	2409
Qy	461	AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle	480
Db	2410	AATGGCCTTTAAATCTTGTGAGAAGTATGAGCTCTGTGTATCTCGAGTGAAGATTTTGATA	2469
Qy	481	CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg	500
Db	2470	TGTGTATAGCAGTACCCACAGTCTCGCTGCATCAAGGTGTGTCTCCAGAGCAACAGCA	2529
Qy	501	AspIleSerSerTyrLysTrpLysThrAspSerIleIleGlyProIleArgLeuLysArg	520
Db	2530	GACATTTCTTCATATAAATGGAAAAACAGATTCATCATGAGCACCATTCGTCTGAAAGG	2589

QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
Db 2590 GATCGAAGTCGCAAGTGGCAATTCAGGATTCAGCATGAACACATGCGGAGAACTCCA 2649
QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 ACCAGCCCTTCACAGTGTGATCTGTTTCTTCATGTTCTAGCTCTGAATGTGTG 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrIlystYrGln 580
Db 2710 ACTGTAGCACAATCACTAGCGCATTTTGTAAATCAACGGCGAGACTACAAATACCAG 2769
QY 581 LysLeuGlnAsnTyr 585
Db 2770 AGCTGCAGAACTAT 2784

RESULT 10

US-09-906-838-189
; Sequence 189, Application US/09906838
; Publication No. US20030027143A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,838
; CURRENT FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214

; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-906-838-189
Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 3064.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-864-711-14 (1-585) x US-09-906-838-189 (1-2917)

QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
Db 1030 ATGCGGAGGCTGAAGGCAATCAAGCTGCACAGTCAGTCTAGGGGGTCCCAATATGCA 1089
QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTyrThrIle 40
Db 1090 GAGACCCACAAAGCCATGATCTGCACTCAATCCAGTCGAGAACTGCACCTGGACAATA 1149
QY 41 GluArgProGluAsnLysSerIleArgIlellePheSerTyrValGlnLeuAspProAsp 60
Db 1150 GAAAGACCAAGAAACAAAGACATCAAGATTAATCTTTCTATGTCCAGCTTGATCCAGAT 1209
QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
Db 1210 GCGAGCTGTGAAGTGAAACAAATTAAGTCTTTGACGGAACCTCCAGCAATGGGCTCTG 1269
QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
Db 1270 CTAGGGCAAGTCTGCAGTAAACCAAGCTATGTTCTCTGATTTGAATCATCATCCAGTACA 1329
QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
Db 1330 TTGACGTTTCAATAGTAGTACTGACTCAGCAAGAAATTAAGAACTGCTTTGTCTTCTTAC 1389
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
Db 1390 TACTTCTCTCTCTAAATCTCTATTCCAACTGTGGCGGTACCTGGATACCTTGGAA 1449
QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr 160
Db 1450 GGATCTCTTCCAGGCCCAATTTACCCAAAGCGGCATCTCTGAGCTGGCTTATTGTGTGG 1509
QY 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
Db 1510 CACATACAGTGGAGAGAGATTAACAGATAAATTAACCTCAAGAGATTTTCTCTAGAA 1569
QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
Db 1570 ATAGACAAACAGTGCAGAAATTTGATTTTCTGCCATCTATGATGATGCGCCCTCCCAACTCT 1629
QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220

Db 1630 GSCCTGATTGGCAAGTCTGTGGCGTGTGACTCCACCTTCGAAATCGTCATCAACTCT 1689
QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
Db 1690 CTGACTGTCGTGTGTCTACAGATTATGCAATCTTACCGGGGATTTCTGCTTCCTAC 1749
QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
Db 1750 ACTCAATTTATGCGAAGCAATCACTACATCTTTTAACCTTCTCTTCGACAGGATG 1809
QY 261 ArgValIleIleSerIysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
Db 1810 AGAGTTATTATAAGCAAACTTACCTAGAGGCTTTTAACCTTAATGGGAATAACTGGCA 1869
QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
Db 1870 CTAAAGACCCAACTTGCAGACCAAAATATCAATGTTGTGGAATTTCTGTGCTCCTTT 1929
QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
Db 1930 AATGGATGTGTACAAATCAGAAAGGTAGAGATCAGTCAATTTACTTACCAATATATC 1989
QY 321 ThrPheSerAlaSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
Db 1990 ACCTTTTCTGCATCTTCAACTTCTGAAGTGATCACCGCTCAGAAACAACACTCCAGATTAT 2049
QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
Db 2050 GTGAAGTGTGAATGGGACATTAATCTACAGTGGAGATAATATACATTAACAGAGATGAT 2109
QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db 2110 GTAATACAAAGTCAAAATGCATCGGCAATATAACACAGCATGGCTCTTTTGAATCC 2169
QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
Db 2170 AATTCATTTGAAAGACTATATCTGAATCACCATTAATGTGGATTTGAACCAAACTCTT 2229
QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
Db 2230 TTTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGGTGTCTTTGATACCTGT 2289
QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
Db 2290 AGAGCCTCTCCACCTCTGACTTTGCATCTTCCATCTCAACCTACGACCTAATCAAGATGGATG 2349
QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyValPheGlnPhe 460
Db 2350 AGTCAGATGAACTTTGAAGTGTATCCCTTATTTGGACACTATGGAGATTCAGTTT 2409
QY 461 AsnAlaPheLysPheLeuArgSerValTyrLeuGlnCysLysValLeuIle 480
Db 2410 AATGCCCTTAATCTTGAAGATGATGACTCTGTGTATCTGCAGTGTAAAGTTTTCATA 2469
QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGTATAGATGACACACAGTCTTCGCTGCATCAAGGTTGTGTCTCAGAAAGCAACGA 2529
QY 501 AspIleSerSerTyrLysThrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
Db 2530 GACATTTCTTCATATAAATGGAACACAGATTCATCAGGACCCATTCGTCTGAAAGG 2589
QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
Db 2590 GATCGAAGTGAAGTGGCAATTCAGATTTTCCATGATGAAACACATGCGGGAAGAACTCCA 2649
QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACCAAGCCTTTCACAGAGTGCATCTGTTTTCCTTCATGTTCTTAGCTCTGAATGGGTG 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580

Db 2710 ACTGTAGCGCAATCACTAGTAGGCAATTTTGTAAATCAACGGCGAGACTACAAATACCAG 2769
QY 581 LysLeuGlnAsnTyr 585
Db 2770 AAGCTGCAGAACTAT 2784
RESULT 11
US-09-907-613-189
; Sequence 189, Application US/09907613
; Publication No. US20030027145A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Garber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,613
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20

; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-907-613-189

Alignment Scores:

Pred. No.: 0 Length: 2917
Score: 3064.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-864-711-14 (1-585) x US-09-907-613-189 (1-2917)

QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
DB 1030 ATGGCGGAGCTGAAGGCAATCCAGCTGCACAGTCAGTCATAGGGGGTCCCAATATGGCA 1089
QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpIle 40
DB 1090 GAGACCCCAAAAGCCATGCTGCAACTCAATCCAGTGAGAACTGCACCTGCACAAATA 1149
QY 41 GluArgProGluAsnLysSerIleArgIlePheSerTyrrValGlnLeuAsnProAsp 60
DB 1150 GAAAGCCAGAAACAAAGCAATCAGAAATTTATCTTTCTATGCTCCAGCTTGATCCAGAT 1209
QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
DB 1210 GGAAGCTGTGAAGTGAAGAAACATTAAAGCTTTTGAGGGAACCTCCAGCAATGGGCTCTG 1269
QY 81 LeuGlyGlnValCysSerLysAsnAspTyrrValProValPheGluSerSerSerThr 100
DB 1270 CTAGGCGAAGTCTGCAGTAAAGCAAGCAATGTTCTGTATTTGAATCATCATCCAGTACA 1329
QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
DB 1330 TTGAGCTTTCAATAGTTACTGACTCAGCAGAGATTCAGAGACTGCTTTGCTTTCTAC 1389
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrrLeuAspThrLeuGlu 140
DB 1390 TACTTTCTCTCTCTAAACATCTCTATTCCTCAACTGTGGCGGTACCTGGATACCTGGAA 1449
QY 141 GlySerPheThrSerProAsnTyrrProLysProHisProGluLeuAlaTyrrCysValTrp 160
DB 1450 GGATCCTTCAACAGCCCAATTACCAAGCCGCATCTCTGAGCTGGCTTATGTGTGTGG 1509
QY 161 HisIleGlnValGluLysAspTyrrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
DB 1510 CACATACAGTGGAGAAAGATTACAGATAAACTAAACTTCAAGAGATTTTCTCTAGAA 1569
QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrrAspGlyProSerThrAsnSer 200
DB 1570 ATAGCAAAACAGTGCAAATTTGATTTCTTCCCATCTATGATGGCCCTCCCAACTCT 1629
QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
DB 1630 GGCCTGATTGACAAAGTCTGTGGCGGTGACTCCACCTTCGAATCGTATCAAACTCT 1689
QY 221 LeuThrValValLeuSerThrAspTyrrAlaAsnSerTyrrArgGlyPheSerAlaSerTyr 240
DB 1690 CTGACTGTCGTGTGTCTACAGATTATGCCAATTTCTTACCCTGGGATTTCTGCTTCTCTAC 1749
QY 241 ThrSerIleTyrrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
DB 1750 ACCTCAATTTATGCAAGAAACATCAACTACATCTTTAACTTGTCTTCTTCTGACAGATG 1809
QY 261 ArgValIleIleSerLysSerTyrrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280

RESULT 12

US-09-907-942-189
; Sequence 189, Application US/0907942
; Publication No. US20030027146A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi

DB 1810 AGAGTTTATTATAGCAATCTCTACCTAGAGGCTTTTAACTCTAATGGGAATAACTTGCAA 1869
QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
DB 1870 CTAAAAGACCCAACTTGACAGCAAAATTTATCAATGTTGTGGAATTTTCTGTCCCTCTT 1929
QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrrThrAsnIleIle 320
DB 1930 AATGGATGTGGTACAAATCAGAAAGGTAGAAGATCAGTCAATTTACTACCAATATAATC 1989
QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGluLeuGlnIleIle 340
DB 1990 ACCTTTTCGCAATCTCTCAACTTCTGAAGTATCAACCGTCAGAAACAACCTCAGATTAT 2049
QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrrIleThrGluAspAsp 360
DB 2050 GTGAGTGTGAATGGGACATAATTTCTACGTGGAGATAATATACATAACAGAGATGAT 2109
QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrrAsnThrSerMetAlaLeuPheGluSer 380
DB 2110 GTAATACAAAGTCAAAATGCACTGGGCAAAATATAACACCCAGCATGGCTCTTTTGAATCC 2169
QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrrTyrrValAspLeuAsnGlnThrLeu 400
DB 2170 AATTCATTTGAAAAGACATATCTTCAATCACCATAATATGTGGATTGGAACCAACTCTT 2229
QY 401 PheValGlnValSerIleHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
DB 2230 TTGTGTCAGTTAGTCTGCACACCTCAGATCAAAATTTGGTGGTGTCTTTCTGATACCTGT 2289
QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrrAspLeuIleLysSerGlyCys 440
DB 2290 AGAGCTCTCCCACTCTGACTTTGCATCTCAACCTACGACCTATACAGAGTGGATGT 2349
QY 441 SerArgAspGluThrCysLysValTyrrProLeuPheGlyHisTyrrGlyArgPheGlnPhe 460
DB 2350 AGTCAGATGAACTGTGAAGGTGATCCCTTATTTGGACACTATGGAGATTCCAGTTT 2409
QY 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrrLeuGlnCysLysValLeuIle 480
DB 2410 AATGCTTTTAAATTTCTGAGAGATGATGAGCTCTGTGTATCTGCACTGTAAGTTTGTATA 2469
QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
DB 2470 TGTGATAGCAGTGACCAACCACTCTCGTGCATCAATCAAGTTGTGTCTCCAGAGCAACGA 2529
QY 501 AspIleSerSerTyrrLysTyrrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
DB 2530 GACATTTCTTATATAATGGAAGCAATTCAGGATTCAGATCCATCATAGACCCATTCGTCTGAAAAGG 2589
QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
DB 2590 GATCGAAGTGCAGTGGCAATTCAGGATTCAGATCAAGATCAACACATCGGGAAGAACTCCA 2649
QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
DB 2650 AACCAAGCTTTCAACAGTGTGCATCTGTCTTCTTCAATGTGTCTAGCTCTGAATGTGGTG 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrrLysTyrrGln 580
DB 2710 ACTGTAGGCAATCAACAGTGGGCAATTTGTAATCAAGGGCAGACTACAAATATACAG 2769
QY 581 LysLeuGlnAsnTyrr 585
DB 2770 AAGCTGCAGAACTAT 2784

```

; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Mathier, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,942
; CURRENT FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-907-942-189

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Alignment Scores:
Pred. No.: 0
Score: 3064.00
Percent Similarity: 100.00%
Length: 2917
Matches: 585
Conservative: 0

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Best Local Similarity: 100.00%      Mismatches: 0
Query Match: 100.00%      Indels: 0
DB: 10      Gaps: 0
US-09-864-711-14 (1-585) x US-09-907-942-189 (1-2917)

Qy 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
Db 1030 ATGGCGGAGGCTGAAGGCAATCAAGCTGCACAGTCAGTCTAGGGGGTGCCTAATATGCA 1089
Qy 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
Db 1090 GAGACCCACAAAGCCATGATCTCTGCACTCAATCCAGTGAGAACTGCACCTGGCAATA 1149
Qy 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrrValGlnLeuAspProAsp 60
Db 1150 GAAAGACCCAGAAAACAAAGACATCAGAAATATCTTTCTATGTCCAGCTTATCCAGAT 1209
Qy 61 GlySerCysGluSerGluAsnLysValPheAspGlyThrSerSerAsnGlyProLeu 80
Db 1210 GGAAGCTGTGAAGTGAAAGCAATTAAGTCITTTGACGGAACCTCCAGCAATGGGGCTCTG 1269
Qy 81 LeuGlyGlnValCysSerLysAsnAspTyrrValProValPheGluSerSerSerThr 100
Db 1270 CTAGGSCAAGTCTGCAGTAAACGACTATGTCTCTGTTATTTGAATCATCATCCAGTACA 1329
Qy 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyrr 120
Db 1330 TTGACGTTTCAATAGTTACTGACTCAGCAAGAAATTCAAAGAACTGCTTTGTCTTCTAC 1389
Qy 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrrLeuAspThrLeuGlu 140
Db 1390 TACTTCTTCTCTCTAAACATCTCTATTCCAAACTGTGGCGGTACTTGATACCTTGGA 1449
Qy 141 GlySerPheThrSerProAsnTyrrProLysProHisProGluLeuAlaTyrrCysValTrp 160
Db 1450 GGATCCTTCCAGCGCCCAATTTACCCAAAGCGCATCTGAGCTGGCTTATTGTGTGG 1509
Qy 161 HisIleGlnValGluLysAspTyrrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
Db 1510 CACATACAAAGTGGAAGAGATTACAAAGATAAACTTAAACTTCAAGAGATTTCCTGAA 1569
Qy 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrrAspGlyProSerThrAsnSer 200
Db 1570 ATAGACAAACAGTGCAAATTTGATTTTCTGCCATCATATGATGCCCTCCACCACTCT 1629
Qy 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
Db 1630 GGCCTGATTGGCAAGTCTGTGGCGGTGTGACTCCCACTTCGAATCGTCAATCAAACTCT 1689
Qy 221 LeuThrValValLeuSerThrAspTyrrAlaAsnSerTyrrArgGlyPheSerAlaSerTyrr 240
Db 1690 CTGACTGTGTGTCTTACAGATTATGCCAATTTCTTACCGGGGATTTTCTGCTTCTTAC 1749
Qy 241 ThrSerIleTyrrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
Db 1750 ACCTCAATTTATGCAGAAAAACATCAACACTACATCTTTAACTGCTCTTCTGCAGAGATG 1809
Qy 261 ArgValIleIleSerLysSerTyrrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln 280
Db 1810 AGAGTTATTATTAAGCAAAATCTTACCTAGAGCTTTTAACTCTAATGGGAATTAATTCGAA 1869
Qy 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
Db 1870 CTAAGAGACCCCACTTGAGACCAAAAATTTATCAATGTGTGGAAATTTCTGTCTCTT 1929
Qy 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrThrAsnIleIle 320
Db 1930 AATGGATGTGTACAAATCAGAAAGTAGAAGATCAGTCAATTAATTTACTTACCAATATAATC 1989
Qy 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
Db 1990 ACCTTTTCTGCATCTCTCAACTTCTGAGTGATCAGGCTGAGAAACACTCCAGATTATT 2049

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QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
Db 2050 GTGAAGTGTGAATGGGACATAATCTACAGTGGAGATAATATACATAACAGAGATGAT 2109
QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db 2110 GTAATCAAGTCAAAATGCAGTGGCAATATACACAGCATGGCTCTTTTGAATCC 2169
QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
Db 2170 AATTCATTTGAAAGACTACTACTGTAATCACCATAATTATGTGGATTTGAACCAACTCTT 2229
QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
Db 2230 TTGTTCAGATTAGTCTGCACACTCAGATCCAAATTTGGTGGTGTCTTTGATACCTGT 2289
QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
Db 2290 AGAGCCTCTCCCACTCTGACTTTGCATCTCCAACCTACGACCTAATCAAGAGTGGATGT 2349
QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
Db 2350 AGTCGAGATGAAACTTGTAAAGTGTATCCCTTATTGGACATATGGGAGATTCAGATT 2409
QY 461 AsnAlaPheLysPheLeuArgSerMetSerValTyrLeuGlnCysLysValLeuIle 480
Db 2410 AATGCCTTTAAATCTTGAGAGTATGAGCTCTGTGTATCTGCAGTGTAAAGTTTGTATA 2469
QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCAGTGAACCACTCTGCTGCAATCAAGGTGTGTCTCCAGAGCAACGA 2529
QY 501 AspIleSerSerTyrLysTrpLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
Db 2530 GACATTTCTTATATAAATGGAACAGATTTCATCATAGGACCCATTCGCTGAAAGG 2589
QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
Db 2590 GATCGAAGTGAAGTGGCAATTCAGGATTCAGCATGAAACATGCAAGTGGCAAGAACTCCA 2649
QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACCAACCTTTCAACAGTGTGCATCTGTTTCTTCATGTTTCTAGCTCTGAATGTGTG 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGTAGCGACATACACAGTGGCAATTTTGTAAATCAACGGCGCAGACTACAAATACGAG 2769
QY 581 LysLeuGlnAsnTyr 585
Db 2770 AAGCTGCAGAACTAT 2784

RESULT 13

US-09-904-859-189
; Sequence 189, Application US/09904859
; Publication No. US20030036060A1
; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secured and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,859
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
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; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo Sapien

US-09-904-859-189

Alignment Scores:

Pred. No.:	Score:	Percent Similarity:	Best Local Similarity:	Query Match:	DB:	Length:	Matches:	Conservative:	Mismatches:	Indels:	Gaps:
0	3064.00	100.00%	100.00%	100.00%	10	2917	585	0	0	0	0

US-09-864-711-14 (1-585) x US-09-904-859-189 (1-2917)

QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20

Db 1030 ATCGCGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCTAGGGGTGCCAATATGGCA 1089

QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40

1090 GAGACCCCAAGACCATGCTGCAACTCAATCCAGTGAACCTGCACGACATA 1149
41 GluArgProGluAsnLysSerIleArgIlePheSerTyrValGlnLeuAspProAsp 60
1150 GAAAGACAGAAAACAAAGACATCAGAAATATCTTTCTATATGTCACGCTTGATCCAGAT 1209
61 GlySerCysGluSerGluAsnLysValPheAspGlyThrSerSerAsnGlyProLeu 80
1210 GGAAGCTGTGAAGTGAAGCAATTAAGTCTTTGACGGAACCTCCAGCAATGGGCTCTG 1269
81 LeuGlyGlnValCysSerIleAsnAspTyrValProValPheGluSerSerSerThr 100
1270 CTAGGCGAAGTCTGAGTAAACACATATGTTCTGTATTGATCATCATCCAGTACA 1329
101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
1330 TTGAGGTTTCAATAGATTACTGACTCAGCAAGAAATCAAGAACTGTCTTTGTCTTCTAC 1389
121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
1390 TACTTCTTCTCTCCCTAACATCTCTATTCCTAATCTGCGGTTACCTGGATACCTTGAA 1449
141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr 160
1450 GGATCTTCCACAGCCCAATTAACCAAGCGCATCTGAGCTGGCTTATTTGTGTGG 1509
161 HisIleGlnValGluLysAspTyrIleLysLeuAsnPheLysGluIlePheLeuGlu 180
1510 CACATACAAAGTGGAGAAAGATTACAAAGATAAACTTAACTTCAAGAGATTCTCTAGAA 1569
181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
1570 ATAGACAACAGTGCAAATTTGATTTCTTGGCATCTATGATGGCCCTCCACCACTCT 1629
201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerAsnSer 220
1630 GGCCTGATTGACAAAGTCTGTGGCCGTGTGACTCCCACTTCGAATCGTCAACAACTCT 1689
221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
1690 CTGACTGCTGTTGTCTACAGATTATGCCAAATCTTACCGGGGATTTCTGTCTCTAC 1749
241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
1750 ACCTCAATTTATGCAGAAAACATCAACACTACATCTTTAACTGCTCTCTGACAGATG 1809
261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
1810 AGAGTTATTATAAGCAATCTCTACCTAGAGCTTTTAACTCTAATAGGAATAACTTGCAA 1869
281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
1870 CTAAAGACCCCACTTGACAGCAAAATATCAATGTTGTGGAATTTCTGTCTCTCT 1929
301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrThrAsnIleIle 320
1930 AATGATGTGTACAAATCAGAAAGGTAGAGATCAGTCAATTAATTAATTAATTAATC 1989
321 ThrPheSerAlaSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
1990 ACCTTTCTGCATCTCTCACTTCTGAAAGTATCACCCTGAGAAACAACTCCAGATTAT 2049
341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
2050 GTGAAGTGTGAATGGGACATAATCTACAGTGGAGATAATATACATAACAGAAGATGAT 2109
361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrIleAsnThrSerMetAlaLeuPheGluSer 380
2110 GTAATACAAAGTCAAAATGGCAATGGGCAATATACACCAAGATGGCTCTTTTGAATCC 2169
381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400

2170 AATTCAATTTGAAAAGACTATACCTTGAATCACCATATTATGTGATTTGAACCAACTCTT 2229
401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
2230 TTGTTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGGTGTCTTCTGATACCTGT 2289
421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
2290 AGAGCTCTCCCACTCTGACTTTCATCTCCCACTACGACCTAATCAAGAGTGGATGT 2349
441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
2350 AGTCGAGATGAACCTTGTAGGTGTATCCCTTATTGGACACTATGGAGATTCAGATT 2409
461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
2410 AATGCTTTAAATTTCTTGAAGATATGAGCTCTGTGTATCTGCAGTGTAAAGTTTGATA 2469
481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
2470 TGTGATAGCAGTGACCCAGCTCTCGTCAATCAAGGTGTGTCTCCAGAGCAACGAA 2529
501 AspIleSerSerTyrLysTyrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
2530 GACATTTCTCATATAAATGGAACAGATTCCATCATAGGACCATTCGTCTGAAAGG 2589
521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
2590 GATCGAAGTGAAGTGGCAATTCAGGATTTTCAGCATGAACACACATGCGGAAGAACTCCA 2649
541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
2650 AACCGCTTTTCAACAGTGTGCATCTGTTTCTTCATGTTCTAGCTCTGATGTGGTG 2709
561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
2710 ACTGTAGCACAATCACAGTGGAGCATTTGTAAATCAACGGGACAGACTACAAATACAG 2769
581 LysLeuGlnAsnTyr 585
2770 AAGCTGCAGACTAT 2784

RESULT 14
US-09-909-204-189
; Sequence 189, Application US/0909204
; Publication No. US2003003061A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

QY 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuile 480
Db 2410 AATGCGCTTTAAATCTTGAAGATATGAGCTCTGTATCTGCAAGTAAAGTTTGATA 2469
QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCAGTGACCAACAGCTCTCGCTCAATCAAGGTGTGTCTCCAGAAAGCAAGA 2529
QY 501 AspIleSerSerTyrLysTrpLysThrAspSerIleGlyProileArgLeuLysArg 520
Db 2530 GACATTTCTTCATATAATGAAACAGATTCATAGGACCCATTGCTCTGAAAAGG 2589
QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGlnThrHisAlaGluGluThrPro 540
Db 2590 GATCGAAGTCAAGTGGCAATTCAGGATTCAGCATGAAACACATGCGGAAGAAATCCA 2649
QY 541 AsnGlnPropheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACCGCCITTCACAGTGTGCATCTGTTTCTCTTCATGTTCTAGCTCTGAATGGTG 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGTAGCGACATCATCAGTGAGGCATTTGTAAATCAACGGGCGAGACTACAAATACCAG 2769
QY 581 LysLeuGlnAsnTyr 585
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RESULT 15

US-09-904-820-189
; Sequence 189, Application US/09904820
; Publication No. US20030036094A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Cao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,820
; CURRENT FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222

; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-904-820-189
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Score: 3064.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0
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QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
Db 1090 GAGACCCCAAGCCATGATCTCTGCAACTCAATCCAGTGAAGACTGCACCTGGACAATA 1149
QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGluLeuAspProasp 60
Db 1150 GAAAGACCAGAAACAAAGCATCAGATTATCTTTCTATGTCCAGTTGATCCAGAT 1209
QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
Db 1210 GGAAGCTGTGAAGTGAAGCAATTAAGTCTTTGACGGAACCTCCAGCAATGGGCTCTG 1269
QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
Db 1270 CTAGGGCAAGTCTGCAGTAAACCGACTATGTCTCTGTTATTTGAATCATCATCCAGTACA 1329
QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
Db 1330 TTGACCGTTTCAATAGTACTGCTCAGCAAGAAATCAAGAGACTGTCTTTGCTTCTAC 1389
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrIleuAspThrLeuGlu 140
Db 1390 TACTTCTCTCTCAACATCTCTATTCCAAACTGTGGGGTTACTCGTGCATCTGGAA 1449
QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTrp 160

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Db 1570 ATAGACAAACAGTGCATAATTGATTTCTTGCCATCTATGATGGCCCTCCACCAACTCT 1629
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Qy ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
Db 1810 AGAGTTATTATAAGCAATCTTACCTAGAGCTTTTAACTTAATGGGAATTAATTCGA 1869
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Db 1870 CTAAAGACCAACTTGCAGACCAAAATATCAAAATGTTGTGGAATTTTCTGCTCCTCTT 1929
Qy AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
Db 1930 AATGGATGTGTACATCAGAAAGTAGAGATCAGTCAATTAATTAATTAATTAATTC 1989
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Db 2230 TTTGTTCACTTAGTCTGCACACTCAGATCCAAATTTGGTGGTGTCTTCTGTATCTGT 2289
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Db 2290 AGAGCCTCTCCCACTCTGACTTGGATCTTCCAACTAGCACTTAATCAAGAGTGGATGT 2349
Qy SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
Db 2350 AGTCGAGATGAACCTTGTAAAGTGTATCCCTTATTTGGACACTATGGAGATTCAGTTT 2409
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Qy CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCAGTACCAACCACTCTCGTGCATCAAGGTTGTCTCCAGAAAGCAACGA 2529
Qy AspIleSerSerTyrLysTyrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520

Db 2530 GACATTTCTTCATATAAATGAAAAACAGATTTCATCATAGGACCCATTCGTCTGAAAAAG 2589
Qy AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGlnThrHisAlaGluGluThrPro 540
Db 2590 GATCGAAGTCAAGTGGCAATTCAGGATTTTCAGCATGAAACACATGCGGAGAAACTCCA 2649
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Db 2650 AACCAAGCTTTTCAACACAGTGTGCATCTGTGTTTCTTCTCATGCTCTGATGTGGTG 2709
Qy ThrValAlaThrIleThrValAlaArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGTAGCGAATTCAGTGGAGCAATTTGTAAATCAACGGGACACTACATATACCAG 2769
Qy LysLeuGlnAsnTyr 585
Db 2770 AAGCTGCAGAACTAT 2784

Search completed: February 18, 2004, 21:50:28
Job time : 652.196 secs

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: February 18, 2004, 19:09:54 ; Search time 55.25 Seconds
(without alignments)
2561.312 Million cell updates/sec

Title: US-09-864-711-15

Perfect score: 255

Sequence: 1 MCEPFGNDKAREPSVGRW.....GLLIRCFIDGKTRLLIKAR 255

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Ygapop 60.0 , Ygapext 60.0
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 682709 seqs, 277475446 residues

Word size: 1

Total number of hits satisfying chosen parameters: 1360453

Minimum DB seq length: 0

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Database :

Issued Patents NA:
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6: /cgn2_6/ptodata/2/ina/5B.COMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	255	100.0	1312	4	US-09-978-197-3
3	255	100.0	1354	4	US-09-610-906-2
4	28	11.0	233	4	US-09-610-906-3
5	25	9.8	274	4	US-09-610-906-4
6	20	7.8	325	4	US-09-610-906-10
7	15	5.9	95	4	US-09-610-906-11
8	15	5.9	159	4	US-09-610-906-9
9	14	5.5	620	4	US-09-610-906-8
10	12	4.7	279	4	US-09-610-906-8
11	11	4.3	699	4	US-09-328-352-2119
12	10	3.9	792	4	US-09-489-039A-4876

9	3.5	59065	4	US-09-813-817-3	Sequence 3, Appli
9	3.5	59065	4	US-09-978-197-3	Sequence 3, Appli
8	3.1	243	4	US-09-252-991A-16445	Sequence 16445, A
8	3.1	282	4	US-09-621-976-13738	Sequence 13738, A
8	3.1	486	4	US-09-621-976-76	Sequence 76, Appli
8	3.1	562	4	US-09-610-906-6	Sequence 6, Appli
8	3.1	595	3	US-09-276-531-63	Sequence 63, Appli
8	3.1	1332	4	US-09-252-991A-4957	Sequence 4957, Ap
8	3.1	1480	4	US-09-142-569-1	Sequence 4992, Ap
8	3.1	1771	3	US-08-818-112-13	Sequence 1, Appli
8	3.1	1771	4	US-08-818-111-13	Sequence 13, Appli
8	3.1	1771	4	US-09-058-556-13	Sequence 13, Appli
8	3.1	1771	4	US-09-072-967-13	Sequence 13, Appli
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8	3.1	1908	4	US-09-252-991A-4943	Sequence 4943, Ap
8	3.1	2481	1	US-08-467-568-1	Sequence 1, Appli
8	3.1	2481	2	US-09-030-582-1	Sequence 1, Appli
8	3.1	2481	5	PCT-US94-09051-1	Sequence 1, Appli
8	3.1	2780	4	US-09-620-312D-358	Sequence 358, App
8	3.1	7096	4	US-09-221-017B-373	Sequence 373, App
8	3.1	42988	4	US-08-311-731A-128	Sequence 128, App
8	3.1	4403765	3	US-09-103-840A-2	Sequence 2, Appli
8	3.1	4403765	3	US-09-103-840A-2	Sequence 2, Appli
8	3.1	4411529	3	US-09-103-840A-1	Sequence 1, Appli
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7	2.7	100	1	US-08-145-705A-2	Sequence 2, Appli
7	2.7	134	4	US-09-621-976-12573	Sequence 12573, A
7	2.7	210	4	US-09-328-352-1593	Sequence 1593, Ap
7	2.7	225	4	US-09-489-039A-4575	Sequence 4575, Ap
7	2.7	240	4	US-09-023-655-129	Sequence 129, App
7	2.7	247	4	US-09-016-434-262	Sequence 262, App
7	2.7	258	4	US-09-134-000C-1293	Sequence 1293, Ap

ALIGNMENTS

RESULT 1
US-09-610-906-5
; Sequence 5, Application US/09610906
; Patent No. 6586086
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 5
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Inocyte ID No. 6556066 1804734CB1
; PUBLICATION INFORMATION:
US-09-610-906-5

Alignment Scores:
Pred. No.: 3.3e-240 Length: 1312
Score: 255.00 Matches: 255
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

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Qy 21 ArgValSerTrpTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
Db 171 CGAGTGTCTGGTACGAAACGGTTTGTGACGCCATGCTGTGTCGAACTGTGGGCTGTGCT 230
Qy 41 LeuPheilePheileGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 231 CTCTTCATCTTCATCGGTGCTGTCGTCATTTGAGATGGGACGACACTGGGTGCTG 290
Qy 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
Db 291 CAGCGGCCCTGGCCCAACGGGCTGGCTTTGGGGCTGCTGATTTGCCACCGTGGGGAATATC 350
Qy 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuLeu 100
Db 351 AGTGGTGGACACTTCAACCTCGGTGTCCCTGGCAGCCATGCTGATCGGAGGCTTCAAC 410
Qy 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
Db 411 CTGGTGTATGCTCTCCGCTACTGGGTCTCACAGCTGCTCGGGGGATGCTCGGGGCTGCC 470
Qy 121 LeuAlaIysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
Db 471 TTGGCCAGGCGGTGAGTCTGAGGAGAGGTTCTGGAATGCAATCTGGGGCGGCTTTGTG 530
Qy 141 ThrValGlnGluGlnGlyValAlaGlyAlaLeuValAlaGluIleIleLeuThrThr 160
Db 531 ACAGTCCAGAGCAGGCGGAGGTGGCAGGGGCTTGGTGGCAGAGATCATCTCGACGAGC 590
Qy 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLeuThrIleGlyProLeuAla 180
Db 591 CTGCTGGCCCTGGCTGTATGATGGGTGCTCAATGAGAGACAAAGGGCCCTCTGGCC 650
Qy 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
Db 651 CCCTTCTCCATCGCTTTGCGGTACCGTGGATATCTCGCTGGGGCCCTGTGTCTGGA 710
Qy 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsnPhe 220
Db 711 GGCTGATCATCTGGTGGGCCACTCTGGCTGGCTGCTGTGGACTGTGCTCATTTAGG 830
Qy 221 HisTrpIleTyrTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240
Db 771 CACTGATCTACTGGTGGGCCACTCTGGCTGGCTGCTGTGGACTGTGCTCATTTAGG 830
Qy 241 CysPheileGlyAspGlyLysThrArgLeuIleLeuLeuAlaArg 255
Db 831 TGCTTCATTGGAGATGGGAGACCCGCTCATCTGAGAGGCTCGG 875

RESULT 2

US-09-976-594-346
; Sequence 346, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 346
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature

OTHER INFORMATION: Incyte ID No. 6673549 1804734CB1
US-09-976-594-346

Alignment Scores:

Pred. No.: 3,3e-240 Length: 1312
Score: 255.00 Matches: 255
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-976-594-346 (1-1312)

Qy 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyGlyArgTTP 20
Db 111 ATGTGTGAGCCTGAATTTGGCAATGACAGGCCAGGAGCCGAGCGTGGTGGCAGGTGG 170
Qy 21 ArgValSerTrpTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
Db 171 CGAGTGTCTGGTACGAAACGGTTTGTGACGCCATGCTGTGTCGAACTGTGGGCTGTGCT 230
Qy 41 LeuPheilePheileGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 231 CTCTTCATCTTCATCGGTGCTGTCGTCATTTGAGATGGGACGACACTGGGTGCTGCT 290
Qy 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
Db 291 CAGCGGCCCTGGCCCAACGGGCTGGCTTTGGGGCTGCTGATTTGCCACCGTGGGGAATATC 350
Qy 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuLeu 100
Db 351 AGTGGTGGACACTTCAACCTCGGTGTCCCTGGCAGCCATGCTGATCGGAGGCTTCAAC 410
Qy 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
Db 411 CTGGTGTATGCTCTCCGCTACTGGGTCTCACAGCTGCTCGGGGGATGCTCGGGGCTGCC 470
Qy 121 LeuAlaIysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
Db 471 TTGGCCAGGCGGTGAGTCTGAGGAGAGGTTCTGGAATGCAATCTGGGGCGGCTTTGTG 530
Qy 141 ThrValGlnGluGlnGlyValAlaGlyAlaLeuValAlaGluIleIleLeuThrThr 160
Db 531 ACAGTCCAGAGCAGGCGGAGGTGGCAGGGGCTTGGTGGCAGAGATCATCTCGACGAGC 590
Qy 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLeuThrIleGlyProLeuAla 180
Db 591 CTGCTGGCCCTGGCTGTATGATGGGTGCTCAATGAGAGACAAAGGGCCCTCTGGCC 650
Qy 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
Db 651 CCCTTCTCCATCGCTTTGCGGTACCGTGGATATCTCGCTGGGGCCCTGTGTCTGGA 710
Qy 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsnPhe 220
Db 711 GGCTGATCATCTGGTGGGCCACTCTGGCTGGCTGCTGTGGACTGTGCTCATTTAGG 770
Qy 221 HisTrpIleTyrTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240
Db 771 CACTGATCTACTGGTGGGCCACTCTGGCTGGCTGCTGTGGACTGTGCTCATTTAGG 830
Qy 241 CysPheileGlyAspGlyLysThrArgLeuIleLeuLeuAlaArg 255
Db 831 TGCTTCATTGGAGATGGGAGACCCGCTCATCTGAGAGGCTCGG 875

RESULT 3

US-09-610-906-2
; Sequence 2, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmueth, Wayne
; APPLICANT: Klinger, Tod M.

```
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 2
; LENGTH: 1354
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 2774542CB1
; PUBLICATION INFORMATION:
US-09-610-906-2

Alignment Scores:
Pred. No.: 3 4e-240 Length: 1354
Score: 255.00 Matches: 255
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-610-906-2 (1-1354)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyGlyArgTrp 20
DB 148 ATGTGTGAGCCTGAATTTGGCAATGACAGGCGCAGGAGCCGAGCGTGGTGGCAGGTGG 207

QY 21 ArgValSerTrpTyrGluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
DB 208 CGAGTGCTCTGTACGACGCTTTGGCAGCCATGCTGTGCGAATGCTGTGGCTCTGCT 267

QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
DB 268 CTTCTCATCTTCATCGGGTGCCTGCTGCGTCAITGAGATGGGACGACATGGGCTGCTG 327

QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrIleuGlyAsnIle 80
DB 328 CAGCGGGCCCTGGCCACCGGCTGCTTTGGGGCTGCTGATTCGACCATGCTGGGAATATC 387

QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAsn 100
DB 388 AGTGGTGACACTTCAACCTCGGGTGTCTCTGGCAGCATGCTGATCGGAGGCTCAAC 447

QY 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
DB 448 CTGGTGATGCTCTCCCGTACTGGGTCTCACAGCTGCTCGGGGGGATGCTCGGGGCTGCC 507

QY 121 LeuAlaLysAlaValSerProGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
DB 508 TTGGCCACAGCGGTGATCTCTGAGGAGGTTCTGGAATGCAATCTGGGGGCGCTTTGTG 567

QY 141 ThrValGlnGlnGlyGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
DB 568 ACAGTCCAGGAGCAGGGGAGGTGGCAGGGGCGTTGGTGGCAGAGATCATCTGACGACG 627

QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLysThrIleGlyProLeuAla 180
DB 628 CTGCTGGCCCTGCTGCTGATGCAATGGGTGCAATGAGAACAAAGGGGCGCTCTGGCC 687

QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
DB 688 CCGTTCTCATCGGCTTTTCCCTGACCGTGATATCTCTGGCTGGGGGCGCTGTGTCTGGA 747

QY 201 GlyCysMetAsnProAlaAlaGlnPheGlyProAlaValValAlaAsnHisTrpAsnPhe 220
DB 748 GGCTGATGAATCCCGCCGCTCTTTTGGACCTGGCGTGGTGGCCCAACCACTGGAACCTTC 807

QY 221 HisTrpIleTyrTrpLeuGlyProLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240

; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 3
; LENGTH: 233
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 2774542H1
; PUBLICATION INFORMATION:
US-09-610-906-3

Alignment Scores:
Pred. No.: 7.76e-19 Length: 233
Score: 28.00 Matches: 28
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 10.98% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-610-906-3 (1-233)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyGlyArgTrp 20
DB 148 ATGTGTGAGCCTGAATTTGGCAATGACAGGCGCAGGAGCCGAGCGTGGTGGCAGGTGG 207

QY 21 ArgValSerTrpTyrGluArgPhe 28
DB 208 CGAGTGCTCTGTACGACGCTTT 231

RESULT 5
US-09-610-906-4
; Sequence 4, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 4
; LENGTH: 274
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
```

OTHER INFORMATION: Incyte ID No. 6566066 3834902H1
NAME/KEY: unsure
LOCATION: 209
OTHER INFORMATION: a, t, c, g, or other
PUBLICATION INFORMATION:
US-09-610-906-4

Alignment Scores:
Pred. No.: 7,84e-16 Length: 274
Score: 25.00 Matches: 25
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 9.80% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-610-906-4 (1-274)

QY 1 MetCysGluProGluPheGlyAsnAplysAlaArgGluProSerValGlyGlyArgTrp 20
Db 134 ATGTGTGAGCCTGAATTGGCAATGACAGGCCAGGAGCCGAGCGTGGTGGCGAGTGG 193
QY 21 ArgValSerTrpTyr 25
Db 194 CGAGTGTCTGTGATC 208

RESULT 6

US-09-610-906-10
Sequence 10, Application US/09610906
Patent No. 6566066
GENERAL INFORMATION:
APPLICANT: Walker, Michael G.
APPLICANT: Volkmut, Wayne
APPLICANT: Klinger, Tod M.
TITLE OF INVENTION: AQUAPORIN-8 VARIANT
FILE REFERENCE: PC-0012 CIP
CURRENT APPLICATION NUMBER: US/09/610,906
CURRENT FILING DATE: 2000-07-06
PRIOR APPLICATION NUMBER: 09/226,994
PRIOR FILING DATE: 1999-01-07
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PERL Program
SEQ ID NO 10
LENGTH: 325
TYPE: DNA
ORGANISM: Rattus norvegicus
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. 6566066 701652485H1
PUBLICATION INFORMATION:
US-09-610-906-10

Alignment Scores:
Pred. No.: 7,24e-11 Length: 325
Score: 20.00 Matches: 20
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 7.84% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-610-906-10 (1-325)

QY 34 ValGluLeuLeuGlySerAlaLeuPheIlePheIleGlyCysLeuSerValIleGluAsn 53
Db 175 GTGGAACCTTTGGGTCGCTCTTCATTCATTTGGGTGTCATCGTTCATCGAGAAC 234

RESULT 7

US-09-610-906-11
Sequence 11, Application US/09610906
Patent No. 6566066
GENERAL INFORMATION:
APPLICANT: Walker, Michael G.
APPLICANT: Volkmut, Wayne
APPLICANT: Klinger, Tod M.

TITLE OF INVENTION: AQUAPORIN-8 VARIANT
FILE REFERENCE: PC-0012 CIP
CURRENT APPLICATION NUMBER: US/09/610,906
CURRENT FILING DATE: 2000-07-06
PRIOR APPLICATION NUMBER: 09/226,994
PRIOR FILING DATE: 1999-01-07
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PERL Program
SEQ ID NO 11
LENGTH: 96
TYPE: DNA
ORGANISM: Rattus norvegicus
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. 6566066 700938259H1
PUBLICATION INFORMATION:
US-09-610-906-11

Alignment Scores:
Pred. No.: 1,7e-06 Length: 96
Score: 15.00 Matches: 15
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 5.88% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-610-906-11 (1-96)

QY 125 ValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPhe 139
Db 25 GTGAGTCCAGAGGAAAGGTTCTGGAAATCGTCTGGGCGAGCCTTT 69

RESULT 8

US-09-610-906-9
Sequence 9, Application US/09610906
Patent No. 6566066
GENERAL INFORMATION:
APPLICANT: Walker, Michael G.
APPLICANT: Volkmut, Wayne
APPLICANT: Klinger, Tod M.
TITLE OF INVENTION: AQUAPORIN-8 VARIANT
FILE REFERENCE: PC-0012 CIP
CURRENT APPLICATION NUMBER: US/09/610,906
CURRENT FILING DATE: 2000-07-06
PRIOR APPLICATION NUMBER: 09/226,994
PRIOR FILING DATE: 1999-01-07
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PERL Program
SEQ ID NO 9
LENGTH: 159
TYPE: DNA
ORGANISM: Rattus norvegicus
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. 6566066 701336587H1
PUBLICATION INFORMATION:
US-09-610-906-9

Alignment Scores:
Pred. No.: 2,79e-06 Length: 159
Score: 15.00 Matches: 15
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 5.88% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-610-906-9 (1-159)

QY 125 ValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPhe 139
Db 26 GTGAGTCCAGAGGAAAGGTTCTGGAAATCGTCTGGGCGAGCCTTT 70

RESULT 9

US-09-610-906-7
; Sequence 7, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingner, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 620
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 701887401H1
; PUBLICATION INFORMATION:
US-09-610-906-7

Alignment Scores:
Pred. No.: 0.000102 Length: 620
Score: 14.00 Matches: 14
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 5.49% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-610-906-7 (1-620)

QY 220 PheHisTrpIleTyrTrpLeuGlyProLeuLeuAlaGlyLeu 233
DB 282 TTCATTGGATCTACTGGCTGGGCCCACTCCTGCTGGCGCTC 323

RESULT 10
US-09-610-906-8
; Sequence 8, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingner, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 279
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 701624411H1
; PUBLICATION INFORMATION:
US-09-610-906-8

Alignment Scores:
Pred. No.: 0.00419 Length: 279
Score: 12.00 Matches: 12
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.71% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-610-906-8 (1-279)
QY 128 GluGluArgPheTrpAsnAlaSerGlyAlaAlaPhe 139
DB 4 GAGGAAGAGTTCTGGAAATGGCTCTGGGGCAGCCCTTT 39

RESULT 11
US-09-328-352-2119
; Sequence 2119, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 2119
; LENGTH: 699
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-2119

Alignment Scores:
Pred. No.: 0.0985 Length: 699
Score: 11.00 Matches: 11
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.31% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-328-352-2119 (1-699)

QY 80 IleSerGlyClyHisPheAsnProAlaValSer 90
DB 175 ATTCAGGTGGACATTTCAATCCCGGTAAGT 207

RESULT 12
US-09-489-039A-4876
; Sequence 4876, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 4876
; LENGTH: 792
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-4876

Alignment Scores:
Pred. No.: 1.06 Length: 792
Score: 10.00 Matches: 10
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 3.92% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-489-039A-4876 (1-792)

QY 80 IleSerGlyClyHisPheAsnProAlaVal 89
DB 265 ATTCCGGGGGGGATTTCAACCCGGCGGTC 294

RESULT 13

US-09-813-817-3/c
; Sequence 3, Application US/09813817
; Patent No. 6340583
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL001178
; CURRENT APPLICATION NUMBER: US/09/813,817
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 59065
; TYPE: DNA
; ORGANISM: Human
US-09-813-817-3

Alignment Scores:
Pred. No.: 705 Length: 59065
Score: 9.00 Matches: 9
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 3.53% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-813-817-3 (1-59065)

QY 229 LeuLeuAlaGlyLeuLeuValGlyLeu 237
|||
Db 45847 CTGCTGGCAGGTTTGTGTGGGACTC 45821

RESULT 14

US-09-978-197-3/c
; Sequence 3, Application US/09978197
; Patent No. 6403353
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL001178DIV
; CURRENT APPLICATION NUMBER: US/09/978,197
; CURRENT FILING DATE: 2001-10-17
; PRIOR APPLICATION NUMBER: 09/813,817
; PRIOR FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 59065
; TYPE: DNA
; ORGANISM: Human
US-09-978-197-3

Alignment Scores:
Pred. No.: 705 Length: 59065
Score: 9.00 Matches: 9
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 3.53% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-978-197-3 (1-59065)

QY 229 LeuLeuAlaGlyLeuLeuValGlyLeu 237
|||
Db 45847 CTGCTGGCAGGTTTGTGTGGGACTC 45821

RESULT 15

US-09-252-991A-16445/c
; Sequence 16445, Application US/09252991A
; Patent No. 6551795

; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 16445
; LENGTH: 243
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-16445

Alignment Scores:
Pred. No.: 30 Length: 243
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 3.14% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-252-991A-16445 (1-243)

QY 145 GlnGlyGlnValAlaGlyAlaLeu 152
|||
Db 213 CAGGCGCAGGTAGCGGGCGCGCTT 190

Search completed: February 18, 2004, 21:53:41
Job time : 88.25 secs

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OM protein - nucleic search, using frame_plus_p2n model

Run on: February 18, 2004, 21:36:38 ; Search time 263.804 Seconds
(without alignments)
3384.789 Million cell updates/sec

Title: US-09-864-711-15
Perfect score: 255
Sequence: 1 MCEPFGNDKAREFSVGRW.....GLLRFCIGDKTRILIKAR 255

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Xgapop 60.0 , Xgapext 60.0	
Xgapop 6.0 , Xgapext 7.0	
Delop 6.0 , Delext 7.0	

Searched: 2308684 seqs, 1750822206 residues

Word size: 1

Total number of hits satisfying chosen parameters: 4610896

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

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-TRANS=human40.cdi -LIST=45 -DOCALIGN=200 -THR SCORE=quality -THR MIN=1
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18: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*	

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description

1	255	100.0	1312	9	US-09-981-353-62	Sequence 62, Appl
2	255	100.0	1312	14	US-10-396-943-5	Sequence 5, Appl
3	255	100.0	1354	9	US-09-864-711-8	Sequence 8, Appl
4	255	100.0	1354	14	US-10-396-943-2	Sequence 2, Appl
5	254	99.6	1388	14	US-10-023-896-11	Sequence 11, Appl
6	254	99.6	1410	9	US-09-925-299-67	Sequence 67, Appl
7	254	99.6	1410	10	US-09-925-299-67	Sequence 67, Appl
8	254	99.6	1410	14	US-10-023-896-40	Sequence 40, Appl
9	254	99.6	1410	14	US-10-106-698-245	Sequence 245, Appl
10	254	99.6	1712	14	US-10-106-698-1986	Sequence 1986, Appl
11	253	99.2	1314	14	US-10-216-408-16	Sequence 16, Appl
12	229	89.8	1324	14	US-10-158-646-49	Sequence 49, Appl
13	154	60.4	1309	15	US-10-235-027-459	Sequence 459, Appl
14	85	33.3	257	14	US-10-216-408-4	Sequence 4, Appl
15	81	31.8	244	14	US-10-216-408-3	Sequence 3, Appl
16	81	31.8	244	14	US-10-216-408-6	Sequence 6, Appl
17	79	31.0	321	10	US-09-803-719-2329	Sequence 2329, Appl
18	74	29.0	321	14	US-10-216-408-5	Sequence 5, Appl
19	74	29.0	318	10	US-09-803-719-2361	Sequence 2361, Appl
20	68	26.7	321	10	US-09-803-719-2362	Sequence 2362, Appl
21	58	22.7	317	10	US-09-803-719-2328	Sequence 2328, Appl
22	54	21.2	314	10	US-09-803-719-2328	Sequence 2328, Appl
23	50	19.6	201	14	US-10-216-408-8	Sequence 8, Appl
24	47	18.4	269	14	US-10-216-408-7	Sequence 7, Appl
25	38	14.9	222	14	US-10-216-408-2	Sequence 2, Appl
26	36	14.1	281	14	US-10-216-408-9	Sequence 9, Appl
27	28	11.0	233	14	US-10-396-943-3	Sequence 3, Appl
28	25	9.8	274	14	US-10-396-943-4	Sequence 4, Appl
29	20	7.8	325	14	US-10-396-943-10	Sequence 10, Appl
30	19	7.5	256	14	US-10-216-408-10	Sequence 10, Appl
31	15	5.9	96	14	US-10-396-943-11	Sequence 11, Appl
32	15	5.9	159	14	US-10-396-943-9	Sequence 9, Appl
33	15	5.9	175	14	US-10-216-408-1	Sequence 1, Appl
34	14	5.5	620	14	US-10-396-943-7	Sequence 7, Appl
35	12	4.7	257	14	US-10-216-408-11	Sequence 11, Appl
36	12	4.7	279	14	US-10-396-943-8	Sequence 8, Appl
37	11	4.3	687	12	US-10-282-122A-9059	Sequence 9059, Appl
38	11	4.3	1235	12	US-10-282-122A-9059	Sequence 9059, Appl
39	10	3.9	282	14	US-10-424-599-71274	Sequence 71274, A
40	10	3.9	282	14	US-10-216-408-12	Sequence 12, Appl
41	10	3.9	405	10	US-09-989-442-24	Sequence 24, Appl
42	10	3.9	405	10	US-09-989-442-70	Sequence 70, Appl
43	10	3.9	536	12	US-10-282-122A-23304	Sequence 23304, A
44	10	3.9	690	9	US-09-887-576-816	Sequence 816, Appl
45	10	3.9	693	12	US-10-282-122A-19603	Sequence 19603, A
			696	12	US-10-282-122A-6666	Sequence 6666, Appl

ALIGNMENTS

RESULT 1

US-09-981-353-62

; Sequence 62, Application US/09981353

; Patent No. US20020160382A1

; GENERAL INFORMATION:

; APPLICANT: Lasek, Amy W.

; APPLICANT: Jones, David A.

; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER

; FILE REFERENCE: PA-0038 US

; CURRENT APPLICATION NUMBER: US/09/981,353

; CURRENT FILING DATE: 2001-10-11

; NUMBER OF SEQ ID NOS: 194

; SOFTWARE: PERL Program

; SEQ ID NO 62

; LENGTH: 1312

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc_feature

; OTHER INFORMATION: Incyte ID No. US20020160382A1 1804734CB1

US-09-981-353-62

Alignment Scores: 8.54e-245 Length: 1312

Pred. No.: 1312


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Score: 255.00 Matches: 255
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

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Qy 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyGlyArgTTP 20
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Qy 21 ArgValSerTrpTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
Db 171 CGAGTGTCTTGGTACCAAGCGTTTGTGACGCCATGCTGTGTGCAACTGTGGGCTCTGCT 230
Qy 41 LeuPheLeuPheLeuGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 231 CTCTTCATCTTCATCGGTCCTGTCGTCATTTGAGATGGGACGACACTCGGCTGCTG 290
Qy 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
Db 291 CAGCCGGCCCTGGCCACAGCGGCTTGTGGGCTCTGATGGCCACGCTGGGGAATATC 350
Qy 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsn 100
Db 351 AGTGTGGACACTTCAACCTCGGTCCTCGGTCCTCGGACGACATCTGATCGAGGCTCAAC 410
Qy 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyCysMetLeuGlyAlaAla 120
Db 411 CTGGTGTATGCTCTCCCGTACTCGGTCCTCACAGCTGCTCGGGGAGATGCTCGGGCTGCC 470
Qy 121 LeuAlaIleAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
Db 471 TTGGCCAGCGGTGAGTCTCTGAGGAGAGGTTCCTGGATGCACTCTGGGGGCGCTTGTG 530
Qy 141 ThrValGlnGluGlnGlyGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
Db 531 ACAGTCCAGGAGCAGGGGAGGTGGCAGGGGCTTGTGGCAGAGATCATCTCGAGCAGC 590
Qy 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLeuThrGlySerProLeuAla 180
Db 591 CTGCTGGCCCTGGCTGTATGCAATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 650
Qy 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
Db 651 CCCTTCTCCATCGGCTTTGCCGTACCGTGGATATCTCTGGTGGGCGCTTGTG 710
Qy 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsnPhe 220
Db 711 GGCTGATGAATCCCGCCCGCTTTTGAGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 770
Qy 221 HisTrpIleTyrTrpLeuGlyProLeuLeuAlaGlyLeuValGlyLeuLeuIleArg 240
Db 771 CACTGATCTACTGGCTGGGCCACCTCTGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 830
Qy 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
Db 831 TGCTTCAATGGAGATGGGAAGACCCGCTCATCTTGAAGGCTCGG 875

RESULT 2
US-10-396-943-5
; Sequence 5, Application US/10396943
; Publication No. US20030158085A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmer, Wayne
; APPLICANT: Klingner, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: FC-0012 CIP
; CURRENT APPLICATION NUMBER: US/10/396,943
; CURRENT FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US/09/610,906
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; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 5
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030158085A1 1804734CB1
; PUBLICATION INFORMATION:
US-10-396-943-5

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Pred. No.: 8,548-245 Length: 1312
Score: 255.00 Matches: 255
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

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Qy 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyGlyArgTTP 20
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Qy 21 ArgValSerTrpTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
Db 171 CGAGTGTCTTGGTACCAAGCGTTTGTGACGCCATGCTGTGTGCAACTGTGGGCTCTGCT 230
Qy 41 LeuPheLeuPheLeuGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 231 CTCTTCATCTTCATCGGTCCTGTCGTCATTTGAGATGGGACGACACTCGGCTGCTG 290
Qy 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
Db 291 CAGCCGGCCCTGGCCACAGCGGCTTGTGGGCTCTGATGGCCACGCTGGGGAATATC 350
Qy 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAsn 100
Db 351 AGTGTGGACACTTCAACCTCGGTCCTCGGTCCTCGGACGACATCTGATCGAGGCTCAAC 410
Qy 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyCysMetLeuGlyAlaAla 120
Db 411 CTGGTGTATGCTCTCCCGTACTCGGTCCTCACAGCTGCTCGGGGAGATGCTCGGGCTGCC 470
Qy 121 LeuAlaIleAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
Db 471 TTGGCCAGCGGTGAGTCTCTGAGGAGAGGTTCCTGGATGCACTCTGGGGGCGCTTGTG 530
Qy 141 ThrValGlnGluGlnGlyGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
Db 531 ACAGTCCAGGAGCAGGGGAGGTGGCAGGGGCTTGTGGCAGAGATCATCTCGAGCAGC 590
Qy 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLeuThrGlySerProLeuAla 180
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Qy 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
Db 651 CCCTTCTCCATCGGCTTTGCCGTACCGTGGATATCTCTGGTGGGCGCTTGTG 710
Qy 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsnPhe 220
Db 711 GGCTGATGAATCCCGCCCGCTTTTGAGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 770
Qy 221 HisTrpIleTyrTrpLeuGlyProLeuLeuAlaGlyLeuValGlyLeuLeuIleArg 240
Db 771 CACTGATCTACTGGCTGGGCCACCTCTGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 830
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QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleuLysAlaArg 255
Db 831 TGTTCATCGAGATGGGAAGACCGCCTCATCTCGAAGGCTCGG 875

RESULT 3
US-09-864-711-8
; Sequence 8, Application US/09864711
; Patent No. US20020077309A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR PANCREATIC DISORDERS
; FILE REFERENCE: PB-0008-1 CIP
; CURRENT APPLICATION NUMBER: US/09/864,711
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 1354
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: 2774542CB1
US-09-864-711-8

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Pred. No.: 8.8e-245 Length: 1354
Score: 255.00 Matches: 255
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: Gaps: 0

US-09-864-711-15 (1-255) x US-09-864-711-8 (1-1354)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyArgTrp 20
Db 148 ATGTGTGAGCCTGAATTTGGCAATCAAGGCCAGGAGCCGAGCGTGGTGGCAGGTGG 207
QY 21 ArgValSerTrpTrpGluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
Db 208 CGAGTGTCTGTGTACGACGGTTTGTGCAGCCATGCTGTGTGCACTGTGGGCTGTGCT 267
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 268 CTCTTCATCTTCATCGGGTGCCTGTGGTCAATTGAGAAATGGACGACACTGGGCTGCTG 327
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
Db 328 CAGCCGGCCCTGGCCACCGGCTGGCTTTGGGGCTGTGTGATTCGCCACGCTGGGGAATATC 387
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsn 100
Db 388 AGTGTGTGGACACTTCAACCTTCGGTGTCCCTGGCAGCCATCTGATCGAGGCTCTCAAC 447
QY 101 LeuValMetLeuLeuProTrpTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
Db 448 CTGGTGATCTCTCCCGTACTGGGTCTCACAGCTGCTCGGGGGATGCTCGGGGCTGCC 507
QY 121 LeuAlaLysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyValAlaAlaPheVal 140
Db 508 TTGGCCAAAGCGGTGAGTCTCTGAGGAGAGGTTCTGGAATGCATCTGGGGCGGCTTTGTG 567
QY 141 ThrValGlnGlnGlnGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
Db 568 ACAGTCCAGAGCAGGGGAGGTGGCAGGGGCTTTGGTGGCAGAGATCATCTCGACGACG 627
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLysThrGlyGlyProLeuAla 180
Db 628 CTGCTGGCCCTTGCTGTATGATGGTGCATATGAGAAACAAAGGGCCCTCTGGCC 687
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
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Db 688 CCGTTCCTCCATCGGCTTTGGCGTCAACGTGATATCTGCTGGGGCCCTGTGTCTGGA 747
QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValValAlaAsnHisTrpAsnPhe 220
Db 748 GGCCTGCATGATATCCGCCCGGCTTTGGACCTCGCGGTGGTGGCAACCACTGGAATTC 807
QY 221 HisTrpIleTrpTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuLeuArg 240
Db 808 CACTGGATCTACTGGCTGGGCCACTCTCGCTGGCTGGCTGCTGTGTGGACTGCTCATTAGG 867
QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleuLysAlaArg 255
Db 868 TGTTCATCGAGATGGGAAGACCGCCTCATCTCGAAGGCTCGG 912

RESULT 4
US-10-396-943-2
; Sequence 2, Application US/10396943
; Publication No. US20030158085A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/10/396,943
; CURRENT FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US/09/610,906
; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 2
; LENGTH: 1354
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030158085A1 2774542CB1
; PUBLICATION INFORMATION:
US-10-396-943-2

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Score: 255.00 Matches: 255
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: Gaps: 0

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Db 148 ATGTGTGAGCCTGAATTTGGCAATCAAGGCCAGGAGCCGAGCGTGGTGGCAGGTGG 207
QY 21 ArgValSerTrpTrpGluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
Db 208 CGAGTGTCTGTGTACGACGGTTTGTGCAGCCATGCTGTGTGCACTGTGGGCTGTGCT 267
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 268 CTCTTCATCTTCATCGGGTGCCTGTGGTCAATTGAGAAATGGACGACACTGGGCTGCTG 327
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
Db 328 CAGCCGGCCCTGGCCACCGGCTGGCTTTGGGGCTGTGTGATTCGCCACGCTGGGGAATATC 387
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsn 100
Db 388 AGTGTGTGGACACTTCAACCTTCGGTGTCCCTGGCAGCCATCTGATCGAGGCTCTCAAC 447
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Qy 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyValMetLeuGlyAlaAla 120
 Db 448 CTGGTATGCTCTCCGTAAGTGGTCTACAGCTGCTCGGGGATGCTCGGGGCTGCC 507
 Qy 121 LeuAlaLysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
 Db 508 TTGGCCAGCGGTGAGTCTCTGAGGAGAGGTTCTGGAATGCATCTGGGGCGCCCTTTGG 567
 Qy 141 ThrValGlnGlnGlnGlnValAlaGlyAlaLeuValAlaGluLeuLeuLeuThr 160
 Db 568 ACAGTCAGGAGCAGGGGAGGTGGGAGGGGCTTGGTGGCAGAGATCATCTGACGAGC 627
 Qy 161 LeuLeuAlaLeuAlaValCysMetGlyAlaAlaAsnGluLysThrValGlyProLeuAla 180
 Db 628 CTGCTGCCCTGGCTGTATGTCATGGGTGGCATCATGAGAAACAAAGGGCCCTCTGGCC 687
 Qy 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyValProValSerGly 200
 Db 688 CCGTTCTCCATCGCTTTGCCGTACCGTGGATATCTGCTGGGGGCCCTGTGTCTGA 747
 Qy 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsnPhe 220
 Db 748 GGCTGCATGAATCCCGCCGTGTCTTTGGACTGCGGTGGTGGCCAAACCACTGGAACCTC 807
 Qy 221 HistriPileTyrTrpLeuGlyProLeuLeuAlaGlyLeuValGlyLeuLeuLeuArg 240
 Db 808 CACTGGATCTACTGGCTGGGCCACCTCTGGCTGGCTGGCTGGCTGGCTGGCTGGCT 867
 Qy 241 CysPheIleGlyAspGlyLysThrArgLeuLeuLeuLeuLeuAlaArg 255
 Db 868 TGCTTCATTGGAGATGGGAAGACCGCCCTCATCTCTGAAGGCTCGG 912

RESULT 5

US-10-023-896-11
 ; Sequence 11, Application US/10023896
 ; Publication No. US2003002776A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Victor Roschke
 ; TITLE OF INVENTION: 29 Human Cancer Associated Proteins
 ; FILE REFERENCE: PA004PI
 ; CURRENT APPLICATION NUMBER: US/10/023,896
 ; CURRENT FILING DATE: 2001-12-21
 ; PRIOR APPLICATION NUMBER: unassigned
 ; PRIOR FILING DATE: 2001-12-21
 ; PRIOR FILING DATE: 2001-12-21
 ; PRIOR APPLICATION NUMBER: PCT/US00/23794
 ; PRIOR FILING DATE: 2000-08-30
 ; PRIOR APPLICATION NUMBER: 60/152,296
 ; PRIOR FILING DATE: 1999-09-03
 ; PRIOR APPLICATION NUMBER: 60/158,003
 ; PRIOR FILING DATE: 1999-10-06
 ; NUMBER OF SEQ ID NOS: 138
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 11
 ; LENGTH: 1388
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (1388)..(1388)
 ; OTHER INFORMATION: n equals a,t,g, or c
 US-10-023-896-11

Alignment Scores:

Pred. No.: 8,97e-244 Length: 1388
 Score: 254.00 Matches: 254
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 99.61% Indels: 0
 DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-023-896-11 (1-1388)

Qy 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyArgTrp 20

Db 128 ATGTGTGAGCTGAATTTGGCAATGACAAGGCCAGGAGCCGAGCGTGGTGGCAGTGG 187
 Qy 21 ArgValSerTrpTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
 Db 188 CGAGTGTCTCTGGTACCAACCGTTTGGCAGCCATGTCTGGTGAACCTGTGGGCTCTGCT 247
 Qy 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
 Db 248 CTCTTCATCTTCATCGGGTGGCTGTGGTCAATTCAGAAATGGGACGACACTGGGCTGCTG 307
 Qy 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyLeuLeu 80
 Db 308 CAGCCGGCCCTGGCCCAACCGCTGGGCTTTGGGGCTGCTGATTCGCCACGCTGGGGAATATC 367
 Qy 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuLeuGlyGlyLeuAsn 100
 Db 368 AGTGGTGGACACTTCAACCTCGGGTGTCTCTGGCAGCCATGCTGATCGGAGCCCTCAAC 427
 Qy 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
 Db 428 CTGGTGCATGCTCTCCGTAAGTGGTCTCACAGCTGCTCGGGGGGATGCTCGGGGCTGCC 487
 Qy 121 LeuAlaLysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
 Db 488 TTGGCCAGCGGTGAGTCTCTGAGGAGAGGTTCTGGAATGCATCTGGGGCGGCCCTTTGTG 547
 Qy 141 ThrValGlnGlnGlnGlnValAlaGlyAlaLeuValAlaGluLeuLeuLeuThr 160
 Db 548 ACAGTCCAGGAGCAGGGCAGGTGGCAGGGGCGTGGTGGCAGAGATCATCTCTGACGAGC 607
 Qy 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLysThrValGlyProLeuAla 180
 Db 608 CTGCTGGCCCTGGCTGTATGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 667
 Qy 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
 Db 668 CCGTTCTCCATCGCTTTGCCGTACCGTGGATATCTCTGGCTGGGGGCCCTGTGTCTGA 727
 Qy 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsnPhe 220
 Db 728 GGCTGCATGAATCCCGCCGTGCTTTGGACCTCGGCTGGTGGTGGTGGTGGTGGTGGT 787
 Qy 221 HistriPileTyrTrpLeuGlyProLeuLeuAlaGlyLeuValGlyLeuLeuLeuArg 240
 Db 788 CACTGGATCTACTGGCTGGGCCACTCTCTGGCTGGCTGGCTGGCTGGCTGGCTGGCT 847
 Qy 241 CysPheIleGlyAspGlyLysThrArgLeuLeuLeuLeuLeuAla 254
 Db 848 TGCTTCATTGGAGATGGGAAGACCGCCCTCATCTCTGAAGGCT 889

RESULT 6

US-09-925-299-67
 ; Sequence 67, Application US/09925299
 ; Patent No. US20020055627A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 ; FILE REFERENCE: PA102
 ; CURRENT APPLICATION NUMBER: US/09/925,299
 ; CURRENT FILING DATE: 2001-08-10
 ; PRIOR APPLICATION NUMBER: PCT/US00/05883
 ; PRIOR FILING DATE: 2000-03-08
 ; PRIOR APPLICATION NUMBER: 60/124,270
 ; PRIOR FILING DATE: 1999-03-12
 ; NUMBER OF SEQ ID NOS: 1556
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 67
 ; LENGTH: 1410
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-925-299-67

Alignment Scores:

Pred. No.: 9,1e-244 Length: 1410
 Score: 254.00 Matches: 254
 Percent Similarity: 100.00% Conservatives: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 99.61% Indels: 0
 DB: Gaps: 0

US-09-864-711-15 (1-255) x US-09-925-299-67 (1-1410)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyGlyArgTrp 20
 DB 119 ATGTGTGAGCCTGAATTTGGCAATGACAGGCCAGGAGCCGAGCGTGGGTGGCAGGTGG 178
 QY 21 AtgValSerTrpTyrcLluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
 DB 179 CGAGTGTCTGTGTACGACGGTTTGGCAGCCATGCTGTGTCGAATCTCTGGGCTCTGCT 238
 QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
 DB 239 CTCTTCATCTTCATCGGTGCTGCTGCGTCAATTGAGATGGGACGACACTGGGCTGCTG 298
 QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
 DB 299 CAGCGGGCCCTGGCCACAGGGTGGCTTTGGGGCTCGTATTGCCACACGCTGGGGAATATC 358
 QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAsn 100
 DB 359 AGTGGTGGACACTTCAACCTCGGGTGCTGCTGGCAGCCATGCTGATCGAGGCTCTAAC 418
 QY 101 LeuValMetLeuLeuProTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
 DB 419 CTGGTGATCTCTCCCGTACTGGGTCTCACAGCTGCTCGGGGATGCTCGGGGCTGCC 478
 QY 121 LeuAlaLysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
 DB 479 TTGGCCAGCGCGTGTGATGAGAGAGGTTCTGGAATGTCATCTGGGGCGGCTTTGTG 538
 QY 141 ThrValGlnGluGlnGlyValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
 DB 539 ACAGTCCAGGAGCAGGGGCGAGTGGCAGGGCGTTGGTGGCAGAGATCATCTGACGACG 598
 QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGlyThrLysGlyProLeuAla 180
 DB 599 CTGCTGGCCCTGGCTGTATGATGCGTCCATCAATGAGAAGACAAAGGGCCCTCTGCC 658
 QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
 DB 659 CGGTTCTCCATCGGCTTTGCCGTCACTGGATATCTTGGTGGGGCCCTGTGTCTGGA 718
 QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsnPhe 220
 DB 719 GGCTGCATGAATCCCGCCCGTCTTTGGACCTGCGGTGGGCAACCACTGGAACCTTC 778
 QY 221 HisTrpIleTyTrpLeuGlyProLeuLeuAlaGlyLeuValGlyLeuLeuIleArg 240
 DB 779 CACTGGATCTACTGCTGGGCCCATCTCTGGCTGGCTGCTTTGTGTGACTCTCTATTAGG 838
 QY 241 CysPheIleGlyAspGlyLysThrArgLeuLeuLeuAla 254
 DB 839 TGCCTTCATTGGAGATGGGAAGACCGGCTCATCTGGAAGGCT 880

RESULT 7

US-09-925-299-67
 ; Sequence 67, Application US/09925299
 ; Publication No. US20030040617A9
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 ; FILE REFERENCE: PA102
 ; CURRENT APPLICATION NUMBER: US/09/925,299
 ; CURRENT FILING DATE: 2001-08-10
 ; PRIOR APPLICATION NUMBER: PCT/US00/05883

; PRIOR FILING DATE: 2000-03-08
 ; PRIOR APPLICATION NUMBER: 60/124,270
 ; PRIOR FILING DATE: 1999-03-12
 ; NUMBER OF SEQ ID NOS: 1556
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 67
 ; LENGTH: 1410
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-925-299-67

Alignment Scores:

Pred. No.: 9,1e-244 Length: 1410
 Score: 254.00 Matches: 254
 Percent Similarity: 100.00% Conservatives: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 99.61% Indels: 0
 DB: Gaps: 0

US-09-864-711-15 (1-255) x US-09-925-299-67 (1-1410)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyGlyArgTrp 20
 DB 119 ATGTGTGAGCCTGAATTTGGCAATGACAGGCCAGGAGCCGAGCGTGGGTGGCAGGTGG 178
 QY 21 AtgValSerTrpTyrcLluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
 DB 179 CGAGTGTCTGTGTACGACGGTTTGGCAGCCATGCTGTGTCGAATCTCTGGGCTCTGCT 238
 QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
 DB 239 CTCTTCATCTTCATCGGTGCTGCTGCGTCAATTGAGATGGGACGACACTGGGCTGCTG 298
 QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
 DB 299 CAGCGGGCCCTGGCCACAGGGTGGCTTTGGGGCTCGTATTGCCACACGCTGGGGAATATC 358
 QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAsn 100
 DB 359 AGTGGTGGACACTTCAACCTCGGGTGCTGCTGGCAGCCATGCTGATCGAGGCTCTAAC 418
 QY 101 LeuValMetLeuLeuProTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
 DB 419 CTGGTGATCTCTCCCGTACTGGGTCTCACAGCTGCTCGGGGATGCTCGGGGCTGCC 478
 QY 121 LeuAlaLysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
 DB 479 TTGGCCAGCGCGTGTGATGAGAGAGGTTCTGGAATGTCATCTGGGGCGGCTTTGTG 538
 QY 141 ThrValGlnGluGlnGlyValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
 DB 539 ACAGTCCAGGAGCAGGGGCGAGTGGCAGGGCGTTGGTGGCAGAGATCATCTGACGACG 598
 QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGlyThrLysGlyProLeuAla 180
 DB 599 CTGCTGGCCCTGGCTGTATGATGCGTCCATCAATGAGAAGACAAAGGGCCCTCTGCC 658
 QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
 DB 659 CGGTTCTCCATCGGCTTTGCCGTCACTGGATATCTTGGTGGGGCCCTGTGTCTGGA 718
 QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsnPhe 220
 DB 719 GGCTGCATGAATCCCGCCCGTCTTTGGACCTGCGGTGGGCAACCACTGGAACCTTC 778
 QY 221 HisTrpIleTyTrpLeuGlyProLeuLeuAlaGlyLeuValGlyLeuLeuIleArg 240
 DB 779 CACTGGATCTACTGCTGGGCCCATCTCTGGCTGGCTGCTTTGTGTGACTCTCTATTAGG 838
 QY 241 CysPheIleGlyAspGlyLysThrArgLeuLeuLeuAla 254
 DB 839 TGCCTTCATTGGAGATGGGAAGACCGGCTCATCTGGAAGGCT 880

RESULT 8

US-10-023-896-40
 ; Sequence 40, Application US/10023896
 ; Publication No. US20030027776A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Victor Roschke
 ; TITLE OF INVENTION: 29 Human Cancer Associated Proteins
 ; FILE REFERENCE: PA004PI
 ; CURRENT APPLICATION NUMBER: US/10/023,896
 ; PRIORITY FILING DATE: 2001-12-21
 ; CURRENT FILING DATE: 2001-12-21
 ; PRIOR APPLICATION NUMBER: unassigned
 ; PRIOR FILING DATE: 2001-12-21
 ; PRIOR APPLICATION NUMBER: PCT/US00/23794
 ; PRIOR FILING DATE: 2000-08-30
 ; PRIOR APPLICATION NUMBER: 60/152,296
 ; PRIOR FILING DATE: 1999-09-03
 ; PRIOR APPLICATION NUMBER: 60/158,003
 ; PRIOR FILING DATE: 1999-10-06
 ; NUMBER OF SEQ ID NOS: 138
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 40
 ; LENGTH: 1410
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-023-896-40

Alignment Scores:
 Pred. No.: 9,1e-244 Length: 1410
 Score: 254.00 Matches: 254
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 99.61% Indels: 0
 DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-023-896-40 (1-1410)

Qy 1 MetCysGluProGluPheGlyAsnAspLysAlaAaGgLuProSerValGlyGlyArgTirp 20
 Db 119 ATGTGTGAGCCTGAATTTGGCAATGACAAGGCCAGGAGCCGAGCGTGGTGGCAGGTGG 178
 Qy 21 ArgValSerTirpTyrGluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
 Db 179 CGAGTGTCTCTGTGTACGAACGGTTTGTGAGCCATCTCTGTGCGAATCTCTGGCTCTGCT 238
 Qy 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
 Db 239 CTCCTTCATCTTCATGGGTGCTCTGCGTCATTGAGATGGAGCGGACACTGGGCTGCTG 298
 Qy 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
 Db 299 CAGCGCGCCCTGGCCACCGGCTGCTTGGGGCTTCGTGATTCGCCACGCTGGGGAATATC 358
 Qy 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAaMetLeuIleGlyGlyLeuAsn 100
 Db 359 ATGTGTGACACTTCAACCTCGGTGTCCTTGGCAGCCATGCTGATCGAGGCTCTCAAC 418
 Qy 101 LeuValMetLeuLeuProTyrTirpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
 Db 419 CTGGTGATCTCTCCCGTACTGGGTCTCACAGCTGCTCGGGGGATGCTCGGGGCTGCC 478
 Qy 121 LeuAlaLysAlaValSerProGluGluArgPheThrAsnAlaSerGlyAlaAlaPheVal 140
 Db 479 TTGGCCCAAGCGGTGAGTCTCAGAGAGAGTTCTCGAATGATATCTGGGGCGGCTTTGTG 538
 Qy 141 ThrValGlnGluGlnGlyGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
 Db 539 ACAGTCCAGAGCAGGCGGAGTGGCAGGGGGTGGTGGCAGAGATCATCTCGACGACG 598
 Qy 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLysThrLysGlyProLeuAla 180
 Db 599 CTGCTGGCCCTGGCTGTATGCAATGGGTGCCATCATGAGAAACAAAGGGGCTCTGGCC 658
 Qy 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200

Db 659 CCGTTCCTCCATCGGCTTTGCGCTCACCGTGGATATCTTGGCTGGGGGCCCTCTGTCTGA 718
 Qy 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValValAlaAsnHisTirpAsnPhe 220
 Db 719 GGCTGCATGAATCCCGCCGCTGCTTTTGACCTGGGTGGTGGCCCAACCACTGGAACTTC 778
 Qy 221 HisTirpIleTyrTirpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240
 Db 779 CACTGGATCTACTGGCTGGGCCCACTCTCTGGCTGGCTGCTTGTGGACTGCTCATTAGG 838
 Qy 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAla 254
 Db 839 TGCTTCATTTGGAGATGGGAAGACCCGCTCATCTCTGAAGGCT 880

RESULT 9

US-10-106-698-245
 ; Sequence 245, Application US/10106698
 ; Publication No. US20030109690A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ruben et al.
 ; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
 ; FILE REFERENCE: PA005PI
 ; CURRENT APPLICATION NUMBER: US/10/106,698
 ; CURRENT FILING DATE: 2002-03-27
 ; PRIOR APPLICATION NUMBER: PCT/US00/26524
 ; PRIOR FILING DATE: 2000-09-28
 ; PRIOR APPLICATION NUMBER: US 60/157,137
 ; PRIOR FILING DATE: 1999-09-29
 ; PRIOR APPLICATION NUMBER: US 60/163,280
 ; PRIOR FILING DATE: 1999-11-03
 ; NUMBER OF SEQ ID NOS: 8564
 ; SOFTWARE: PatentIn Ver. 3.0
 ; SEQ ID NO 245
 ; LENGTH: 1410
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-106-698-245

Alignment Scores:
 Pred. No.: 9,1e-244 Length: 1410
 Score: 254.00 Matches: 254
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 99.61% Indels: 0
 DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-106-698-245 (1-1410)

Qy 1 MetCysGluProGluPheGlyAsnAspLysAlaAaGgLuProSerValGlyGlyArgTirp 20
 Db 119 ATGTGTGAGCCTGAATTTGGCAATGACAAGGCCAGGAGCCGAGCGTGGTGGCAGGTGG 178
 Qy 21 ArgValSerTirpTyrGluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
 Db 179 CGAGTGTCTCTGTGTACGAACGGTTTGTGAGCCATCTCTGTGCGAATCTCTGGCTCTGCT 238
 Qy 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
 Db 239 CTCCTTCATCTTCATGGGTGCTCTGCGTCATTGAGATGGAGCGGACACTGGGCTGCTG 298
 Qy 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
 Db 299 CAGCGCGCCCTGGCCACCGGCTGCTTGGGGCTTCGTGATTCGCCACGCTGGGGAATATC 358
 Qy 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAaMetLeuIleGlyGlyLeuAsn 100
 Db 359 ATGTGTGACACTTCAACCTCGGTGTCCTTGGCAGCCATGCTGATCGAGGCTCTCAAC 418
 Qy 101 LeuValMetLeuLeuProTyrTirpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
 Db 419 CTGGTGATCTCTCCCGTACTGGGTCTCACAGCTGCTCGGGGGATGCTCGGGGCTGCC 478

QY 121 LeuAlaLysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
DB 479 ITGGCCAAAGCGGTGAGTCTGAGAGAGGTTCGGAATGCATCTGGGGCGGCTTTGTG 538
QY 141 ThrValGlnGlnGlnGlnValAlaGlyAlaLeuValAlaGluLeuLeuThrThr 160
DB 539 ACAGTCCAGGACGAGGCGAGGTGGCAGGGGCTTGGTGGCAGAGATCATCTGACGACG 598
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaLeuLeuThrLysGlyProLeuAla 180
DB 599 CTGCTGGCCCTCGCTGTATGATGATGGTGCCTCAATGAGAGACAAAGGGGCTCTGGCC 658
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
DB 659 CCGTCTCCATCGGCTTGGCGTACCGTGCATCTGGTGGGGGCGCTGTGTGGA 718
QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAsnHisTrpAsnPhe 220
DB 719 GGCTGCATGAATCCCGCGCTGTTTGGACCTGCGGTGGTGGCCCAACCACTGGAACTTC 778
QY 221 HistTrpIleTyTrpLeuGlyProLeuLeuAlaGlyLeuValGlyLeuLeuLeuArg 240
DB 779 CACTGCATCTACTGGCTGGGCCCATCTCTGGCTGGCCCTGCTGTGTGACTGCTCATTAGG 838
QY 241 CysPheIleGlyAspGlyLysThrArgLeuLeuLysAla 254
DB 839 TGCCTTCATTGGAGATGGGAAGACCGCTCATCTGGAAGGCT 880

RESULT 10

US-10-106-698-1986
; Sequence 1986, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005PI
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: Patent In Ver. 3.0
; SEQ ID NO 1986
; LENGTH: 1712
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1688)..(1688)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (1692)..(1692)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (1697)..(1697)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-106-698-1986

Alignment Scores:

Pred. No.: 1.098-243 Length: 1712
Score: 254.00 Matches: 254
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 99.61% Indels: 0
DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-106-698-1986 (1-1712)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyArgTrp 20

DB 396 ATGTGTGAGCCCTGAATTTGGCAATGACAGGCCAGGAGCGGTGGTGGCAGGTGG 455
QY 21 ArgValSerTrpTyxGluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
DB 456 CGAGTGTCTGTGTGACAAACGGTTTGTGACGCCATGCTGTGGTGAACATGCTGGGCTCTGCT 515
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrClyLeuLeu 60
DB 516 CTCCTTCATCTTCATCGGGTGCCTGTGGTGCATGTGGAATGGAGACGACACTGGGTGCTGT 575
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
DB 576 CAGCCGGCCCTGGCCACCGGCTGCTTTGGGGCTGCTGATGTCACCGCTGGGGAATATC 635
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuLeu 100
DB 636 AGTGTGTGGACACTTCAACCTCGGTGTCTCTGGCAGCCATGCTGATCGGAGGCTCAAC 695
QY 101 LeuValMetLeuLeuProTyTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
DB 696 CTGGTGATCTCTCTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 755
QY 121 LeuAlaLysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
DB 756 TTGGCCAGGCGGTGAGTCTGAGGAGAGGTTCGGAATGCATCTGGGCGGCTTTGTG 815
QY 141 ThrValGlnGlnGlnGlnValAlaGlyAlaLeuValAlaGluLeuLeuThrThr 160
DB 816 ACAGTCCAGGAGGAGGCGGCTGGCAGGGGCTTGGTGGCAGAGATCATCTGACGACG 875
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaLeuAsnGlyLysThrLysGlyProLeuAla 180
DB 876 CTGCTGGCCCTGGCTGTATGCATGGTGCATCATGAGAAGACAAAGGCGCTCTGGCC 935
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
DB 936 CCGTCTCCATCGGCTTTGCGCTCACCGTGGATATCTCTGGTGGGGGCGCTGTGTCTGGA 995
QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAsnHisTrpAsnPhe 220
DB 996 GGCTGCATGAATCCCGCGCTGCTTTGGACCTGGGCTGGTGGCCCAACCACTGGAACTTC 1055
QY 221 HistTrpIleTyTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuLeuArg 240
DB 1056 CACTGCATCTACTGGCTGGGCCCATCTCTGGCTGGCCCTGCTGTGTGACTGCTCATTAGG 1115
QY 241 CysPheIleGlyAspGlyLysThrArgLeuLeuLysAla 254
DB 1116 TGCCTTCATTGGAGATGGGAAGACCGCTCATCTGGAAGGCT 1157

RESULT 11

US-10-216-408-16
; Sequence 16, Application US/10216408
; Publication No. US20030013159A1

GENERAL INFORMATION:

APPLICANT: COHEN, MAURICE
COLPITTS, TRACEY L.
FRIEDMAN, PAULA N.
GRANADOS, EDWARD N.
KLASS, MICHAEL R.
RUSSELL, JOHN C.
STROUPE, STEVEN D.

TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASE OF THE GASTROINTESTINAL
TRACT

NUMBER OF SEQUENCES: 27

CORRESPONDENCE ADDRESS:

ADDRESS: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA

ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/216,408
FILING DATE: 09-Aug-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/959,634
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6188 US.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 1314 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-10-216-408-16

Alignment Scores:
Pred. No.: 8,49e-243 Length: 1314
Score: 253.00 Matches: 253
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 99.22% Indels: 0
DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-216-408-16 (1-1314)

QY 1 MetCysGluProCluPhedGlyAsnAppLysAlaArgGluProSerValGlyArgTrp 20
Db 108 ATGTGTGAGCCTGAATTTGGCAATGACAAAGGCGAGGCGGCGTGGCGAGGTGG 167
QY 21 ArgValSerTrpTyrgluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
Db 168 CGAGTGTCTGTGTACGACGCGTTTGTGCGACCATGCTGTGTCGAACTGCTGGGCTCTGCT 227
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 228 CTCTTCATCTTCATCGGGTGCCTGCTCGGTCAATGAGATGGGACGACACTGGGCTGCTG 287
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
Db 288 CACCGGGCCCTGGCCCAAGGCTGGCTTTGGGCTCGTGAATGCGACCGCTGGGGAATATC 347
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsn 100
Db 348 AGTGTGGACACATCAACCTCGGGTGTCCCTGGCAGCCATGCTGATCGAGGCGCTCAAC 407
QY 101 LeuValMetLeuLeuProTyrrTrpValSerGlnLeuGlyGlyMetLeuGlyAlaAla 120
Db 408 CTGGTATGCTCTCCCGTACTGGGTCTCACAGCTGCTCGGGGGGATGCTCGGGGCTGCC 467
QY 121 LeuAlaLysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
Db 468 TTGGCCAAAGCGGTGAGTCTCTGAGGAGAGGTTCTGGAATGTCATCTGGGCGGCTTTGTG 527
QY 141 ThrValGlnGlnGlnGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
Db 528 ACAGTCCAGAGCAGGCGGAGGTGGCAGGCGGTGGTGGCAGAGATCATCTCGACGACG 587

QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGlyLysThrLysGlyProLeuAla 180
Db 588 CTGTGGCCCTGTGCTGTATGATGGGTGCCATCAATGAGAGACAAAGGCGCTCTGGCC 647
QY 181 PropheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyProValSerGly 200
Db 648 CCGTCTCCATCGGCTTTCGCGTCAACGCTGGATATCTGTGGTGGGCGCTGTGTCTGA 707
QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValValAlaAlaAsnHisTrpAsnPhe 220
Db 708 GGCTGCATGAATCCGCGCGTGTCTTTGGACCTGCGGTGGTGGCCCAACCACTGGAACTTC 767
QY 221 HisTrpIleTyrrTrpLeuGlyProLeuLeuAlaGlyLeuValGlyLeuLeuIleArg 240
Db 768 CATGGATCTACTGGCTGGGCCCACTCTGTGGTGGCGCTGCTTTGTGGACTGCTCATTAG 827
QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLys 253
Db 828 TGCTTCATTGGAGATGGAGAGACCCCGCTCATCTCTGAG 866

RESULT 12

US-10-158-646-49
; Sequence 49, Application US/10158646
; Publication No. US20030073105A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy K.W.
; APPLICANT: Sornasse, Thierry
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0030-1 US
; CURRENT APPLICATION NUMBER: US/10/158,646
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: 60/295,239
; PRIOR FILING DATE: 2001-05-31
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PERL Program
; SEQ ID NO 49
; LENGTH: 1324
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030073105A1 201901.4
US-10-158-646-49

Alignment Scores:

Pred. No.: 7,82e-219 Length: 1324
Score: 229.00 Matches: 255
Percent Similarity: 99.22% Conservative: 0
Best Local Similarity: 99.22% Mismatches: 0
Query Match: 89.80% Indels: 2
DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-158-646-49 (1-1324)

QY 1 MetCysGluProCluPhedGlyAsnAppLysAlaArgGluProSerValGlyArgTrp 20
Db 116 ATGTGTGAGCCTGAATTTGGCAATGACAAAGGCGAGGCGGCGTGGCGAGGTGG 175
QY 21 ArgValSerTrpTyrgluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
Db 176 CGAGTGTCTGTGTACGACGCGTTTGTGCGACCATGCTGTGTCGAACTGCTGGGCTGCT 235
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 236 CTCTTCATCTTCATCGGGTGCCTGCTCGGTCAATGAGATGGGACGACACTGGGCTGCTG 295
QY 61 GlnProAla-LeuAla-HisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnI 80
Db 296 CAGCGCGCGCCCTGGCCCGGCTGGCTTTGGGCTGCTGATTCGACGCTGGGGAATA 355
QY 80 IeSerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAla 100
Db 356 TCAGTGTGGACACTTCAACCCCTGCGGTGCTCCCTGGCAGCCATGCTGATCGGAGGCTCA 415

QY 100 snLeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyMetLeuGlyAlaA 120
Db 416 ACCTGTGTGTGCTCCCTCCGCTACTGCGGTCTCAGAGTGTCTGGGGGGATGCTCGGGGCTG 475
QY 120 laLeuAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheV 140
Db 476 CTTTGGCCCAAGCGGTGAGTCTCTGAGAGAGGTTCTGGATGCACTGGGGGGCTTTG 535
QY 140 alThrValGlnGluGlnGlnValAlaGlyAlaLeuValAlaGluLeuLeuLeuThrt 160
Db 536 TGACAGTCCAGGAGCAGGGGCGAGGTGGTGGCGAGAGATCATCTTCACCA 595
QY 160 hrLeuLeuAlaLeuAlaValCysMetGlyAlaLeuLeuGlnGlyThrLysGlyProLeuA 180
Db 596 CGTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 655
QY 180 laProPheSerLeuGlyPheAlaValThrValAspLeuLeuAlaGlyProValSerG 200
Db 656 CCCCCTCTCCATCGGCTTTGCGCTCAGCTGATATCTGCTGGGGGCGCTGTGCTG 715
QY 200 lyGlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsn 220
Db 716 GAGGCTGCATGAATCCCGCGGCTTTGGACCTGCGGTGGCCCAACCACTGGAAC 775
QY 220 heHisTrpLeuTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuLeuA 240
Db 776 TCCACTGGATCTACTGGCTGGGCGCACTCTGCTGGCTGGCTGCTGCTGCTGCTGCT 835
QY 240 rgCysPheLeuGlyAspGlyLysThrArgLeuLeuLeuLysAlaArg 255
Db 836 GGTGCTTCATTGGATGGAGAGACCCGCTCATCTGCTGAAGGCTCGG 882

RESULT 13
US-10-295-027-459
Sequence 459, Application US/10295027
Publication No. US2003023350A1
GENERAL INFORMATION:
APPLICANT: Afar, Daniel
APPLICANT: Aziz, Natasha
APPLICANT: Ginsberg, Wendy M.
APPLICANT: Gish, Kurt C.
APPLICANT: Glynn, Richard
APPLICANT: Hevez, Peter A.
APPLICANT: Mack, David H.
APPLICANT: Murray, Richard
APPLICANT: Watson, Susan R.
APPLICANT: Eos Biotechnology, Inc.
TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
FILE REFERENCE: 018501-012500US
CURRENT APPLICATION NUMBER: US/10/295,027
PRIOR FILING DATE: 2002-11-13
PRIOR APPLICATION NUMBER: US 09/663,733
PRIOR FILING DATE: 2000-09-15
PRIOR APPLICATION NUMBER: US 60/350,666
PRIOR FILING DATE: 2001-11-13
PRIOR APPLICATION NUMBER: US 60/335,394
PRIOR FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: US 60/332,464
PRIOR FILING DATE: 2001-11-21
PRIOR APPLICATION NUMBER: US 60/334,393
PRIOR FILING DATE: 2001-11-29
PRIOR APPLICATION NUMBER: US 60/340,376
PRIOR FILING DATE: 2001-12-14
PRIOR APPLICATION NUMBER: US 60/347,211
PRIOR FILING DATE: 2002-01-08
PRIOR APPLICATION NUMBER: US 60/347,349
PRIOR FILING DATE: 2002-01-10
PRIOR APPLICATION NUMBER: US 60/355,250
PRIOR FILING DATE: 2002-02-08
PRIOR APPLICATION NUMBER: US 60/356,714
PRIOR FILING DATE: 2002-02-13

; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 459
; LENGTH: 1309
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-295-027-459

Alignment Scores:
Pred. No.: 5,87e-144 Length: 1309
Score: 154.00 Matches: 254
Percent Similarity: 99.22% Conservative: 0
Best Local Similarity: 99.22% Mismatches: 1
Query Match: 60.39% Indels: 2
DB: 15 Gaps: 0

US-09-864-711-15 (1-255) x US-10-295-027-459 (1-1309)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaAatGluProSerValGlyGlyArgTrp 20
Db 103 ATGTGTGAGCTGTGATTTGGCAATGACAGGCCAGGAGCCGAGCGTGGTGGCAGGTGG 162
QY 21 ArgValSerTrpTrpGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
Db 163 CGAGTGTCTCTGTGTACCAACGGTTTGTGAGCCATGTCTGTGCAACTGCTGGGCTCTGCT 222
QY 41 LeuPheLeuPheLeuGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 223 CTCTTCATCTTCATCGGGTCCCTGCGGTCAATGAGATGGGACGACACTGGGCTGTG 282
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
Db 283 CAGCGGCGCTGGCCCAACGGCTGGCTTTGGGGCTGTGATTCGACACGCTGGGATATC 342
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuLeuGlyGlyLeuAsn 100
Db 343 AGTGTGTGACACTTCAACCTCGGTGTCTCCCTGGGAGCCATGCTATCGAGGCTCTCAAC 402
QY 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
Db 403 CTGGTGTGCTCTCTCCGTAATCTGAGTCTCAGAGTGTCTCGGGGGGATGCTCGGGGCTGCC 462
QY 121 LeuAlaLysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVa 140
Db 463 TTGGCCCAAGGT-GGTGAGTCTCAGAGAGAGGTTCTGGATGCACTCTGGGCGGCTTTGT 521
QY 140 lThrValGlnGluGlnGlyGlnValAlaGlyAlaLeuValAlaGluLeuLeuLeuTh 160
Db 522 GACAGTCCAGGAGCAGGGGCGAGTGGCAGGGGCGTGTGGTGGCAGAGATCATCTGACGAC 581
QY 160 rLeuLeuAlaLeuAlaValCysMetGlyAlaAlaLeuGlnGlyThrLysGlyProLeuAl 180
Db 582 GCTGTGGCCCTGGCTGTATGATGATGGTGCATCAATGAGAGACAAAGGCGCTCTGGC 641
QY 180 aProPheSerLeuGlyPheAlaValThrValAspLeuLeuAlaGlyProValSerG 200
Db 642 CCGGTTCTCCATCGGCTTTGGCGTCACTGCGGTGATATCTGGGCTGGGGGCGCTGTCTGG 701
QY 200 yGlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsnPh 220
Db 702 AGGCTGCATGAATCCCGCGCTGTGCTTTGGACCTGGGTGGTGGCCCAACCACTGGAAC 761
QY 220 eHisTrpLeuTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuLeuA 240
Db 762 CCACTGGATCTACTGGCTGGGGCCACTCTGCTGGCTGGCTGTGTGTGGACTGCTCATTAG 821
QY 240 gCysPheLeuGlyAspGlyLysThrArgLeuLeuLeuLysAlaArg 255
Db 822 GTGCTTCATTTGGAGATGGGAGACCCGCTCATCTGCTGAAGGCTCGG 867

RESULT 14
US-10-216-408-4

```

; Sequence 4, Application US/10216408
; Publication No. US20030013159A1
; GENERAL INFORMATION:
; APPLICANT: COHEN, MAURICE
; COLPITTS, TRACEY L.
; FRIEDMAN, PAULA N.
; GRANADOS, EDWARD N.
; KLASS, MICHAEL R.
; RUSSELL, JOHN C.
; STROUPE, STEVEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; FOR DETECTING DISEASE OF THE GASTROINTESTINAL
; TRACT
;
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/216,408
; FILING DATE: 09-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/959,634
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6188 US.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 257 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-216-408-4
Alignment Scores:
Pred. No.: 9.97e-76 Length: 257
Score: 85.00 Matches: 85
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 33.33% Indels: 0
DB: 14 Gaps: 0
US-09-864-711-15 (1-255) x US-10-216-408-4 (1-257)
QY 82 GlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsnLeu 101
Db 1 GGTGGACACATCAACCCCTGGGTGTCCTGGAGCCATGCTGATCGGAGGCGCTCAACCTG 60
QY 102 ValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAlaLeu 121
Db 61 GTGATGCTCTCCGCTACTGGTCTCACAGCTCTCGGGGGATGCTCGGGGCTGCTTG 120
QY 122 AlaIysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheValThr 141
Db 121 GCCAAGCGGTGAGTCTCTGAGGAGAGGTTCTGGAATGCATCTGGGCGGCGCTTTGTGACA 180
QY 142 ValGlnGlnGlnGlyGlnValAlaGlyAlaLeuValAlaGluIleIleLeuThrThrLeu 161
;
; Sequence 3, Application US/10216408
; Publication No. US20030013159A1
; GENERAL INFORMATION:
; APPLICANT: COHEN, MAURICE
; COLPITTS, TRACEY L.
; FRIEDMAN, PAULA N.
; GRANADOS, EDWARD N.
; KLASS, MICHAEL R.
; RUSSELL, JOHN C.
; STROUPE, STEVEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; FOR DETECTING DISEASE OF THE GASTROINTESTINAL
; TRACT
;
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/216,408
; FILING DATE: 09-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/959,634
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6188 US.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-216-408-3
Alignment Scores:
Pred. No.: 9.36e-72 Length: 244
Score: 81.00 Matches: 81
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 31.76% Indels: 0
DB: 14 Gaps: 0
US-09-864-711-15 (1-255) x US-10-216-408-3 (1-244)
QY 11 AlaArgGluProSerValGlyGlyArgTrpArgValSerTrpGluArgPheValGln 30
Db 2 GCCAGGAGCGGAGCGGTGGTGGTGGCGAGTGTCTGTGTACGACGCGTTTGTGCGAG 61
;
; Sequence 2, Application US/10216408
; Publication No. US20030013159A1
; GENERAL INFORMATION:
; APPLICANT: COHEN, MAURICE
; COLPITTS, TRACEY L.
; FRIEDMAN, PAULA N.
; GRANADOS, EDWARD N.
; KLASS, MICHAEL R.
; RUSSELL, JOHN C.
; STROUPE, STEVEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; FOR DETECTING DISEASE OF THE GASTROINTESTINAL
; TRACT
;
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/216,408
; FILING DATE: 09-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/959,634
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6188 US.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-216-408-2
Alignment Scores:
Pred. No.: 9.36e-72 Length: 244
Score: 81.00 Matches: 81
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 31.76% Indels: 0
DB: 14 Gaps: 0
US-09-864-711-15 (1-255) x US-10-216-408-2 (1-244)
QY 11 AlaArgGluProSerValGlyGlyArgTrpArgValSerTrpGluArgPheValGln 30
Db 2 GCCAGGAGCGGAGCGGTGGTGGTGGCGAGTGTCTGTGTACGACGCGTTTGTGCGAG 61
;
; Sequence 1, Application US/10216408
; Publication No. US20030013159A1
; GENERAL INFORMATION:
; APPLICANT: COHEN, MAURICE
; COLPITTS, TRACEY L.
; FRIEDMAN, PAULA N.
; GRANADOS, EDWARD N.
; KLASS, MICHAEL R.
; RUSSELL, JOHN C.
; STROUPE, STEVEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; FOR DETECTING DISEASE OF THE GASTROINTESTINAL
; TRACT
;
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/216,408
; FILING DATE: 09-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/959,634
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6188 US.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-216-408-1
Alignment Scores:
Pred. No.: 9.36e-72 Length: 244
Score: 81.00 Matches: 81
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 31.76% Indels: 0
DB: 14 Gaps: 0
US-09-864-711-15 (1-255) x US-10-216-408-1 (1-244)
QY 11 AlaArgGluProSerValGlyGlyArgTrpArgValSerTrpGluArgPheValGln 30
Db 2 GCCAGGAGCGGAGCGGTGGTGGTGGCGAGTGTCTGTGTACGACGCGTTTGTGCGAG 61

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QY	31	ProCysLeuValGluLeuLeuGlySerAlaLeuPheIlePheIleGlyCysLeuSerVal	50
Db	62	CCATGCTCTGTCGAACTGCTGGGCTCTGCTCTCTTCATCTTCATCGGGTGCCTGTGCGTC	121
QY	51	IleGluAsnGlyThrAspThrGlyLeuLeuGlnProAlaLeuAlaHisGlyLeuAlaLeu	70
Db	122	ATTGAGATGGGACGACACTGGGCTGCTGCAGCGGCCCTGGCCACCGGCTGGCTTTG	181
QY	71	GlyLeuValIleAlaThrLeuGlyAsnIleSerGlyGlyHisPheAsnProAlaValSer	90
Db	182	GGGCTCGTGAATGGCCACGCTGGGAATATCAGTGTGGACACTTCAACCTGCGGTGTCC	241
QY	91	Leu 91	
Db	242	CTG 244	

Search completed: February 19, 2004, 00:30:27
 Job time : 269.804 secs

GenCore version 5.1.1.6
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OM protein - protein search, using sw model

Run on: February 18, 2004, 13:29:41 ; Search time 10.0179 Seconds
(without alignments)
1314.116 Million cell updates/sec

Title: US-09-864-711-15

Perfect score: 1328

Sequence: 1 MCEPFGNDKAREPSVGGWR.....GILLRCFIGDKTRLILKAR 255

Scoring table: ELOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA:
1: /cgn2_6/ptodata/2/1aa/5A_COMB.pep.*
2: /cgn2_6/ptodata/2/1aa/5B_COMB.pep.*
3: /cgn2_6/ptodata/2/1aa/6A_COMB.pep.*
4: /cgn2_6/ptodata/2/1aa/6B_COMB.pep.*
5: /cgn2_6/ptodata/2/1aa/ECTUS_COMB.pep.*
6: /cgn2_6/ptodata/2/1aa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1328	100.0	262	4	US-09-976-594-347
2	1328	100.0	443	4	US-09-610-906-1
3	1018.5	76.7	263	4	US-09-610-906-12
4	372.5	28.0	250	3	US-08-654-025-2
5	371.5	28.0	250	1	US-08-234-939-2
6	371.5	28.0	250	1	US-08-558-865-2
7	371.5	28.0	250	3	US-08-654-025-7
8	368.5	27.7	262	4	US-09-372-422A-32
9	365.5	27.5	254	4	US-09-372-422A-34
10	362	27.3	249	4	US-09-372-422A-22
11	356.5	26.8	249	4	US-09-372-422A-6
12	336	25.3	250	4	US-09-372-422A-24
13	323	24.3	265	1	US-08-763-19
14	323	24.3	265	2	US-08-393-996A-19
15	316	23.8	271	1	US-08-447-554-4
16	316	23.8	271	1	US-08-448-160-4
17	312	23.5	257	4	US-09-372-422A-28
18	310	23.3	247	4	US-09-372-422A-46
19	305	23.0	272	4	US-09-372-422A-26
20	282.5	21.3	294	4	US-09-372-422A-40
21	277.5	20.9	249	4	US-09-372-422A-30
22	271	20.4	288	4	US-09-372-422A-2
23	271	20.4	288	4	US-09-372-422A-2
24	270	20.3	288	4	US-09-372-422A-18
25	267	20.3	319	4	US-09-489-039A-9999
26	267	20.1	292	4	US-09-372-422A-10
27	266	20.0	295	4	US-09-372-422A-38

28	265	20.0	288	4	US-09-372-422A-16	Sequence 16, Appl
29	264	19.9	292	4	US-09-372-422A-4	Sequence 4, Appl
30	260.5	19.6	263	4	US-09-489-039A-12047	Sequence 12047, A
31	259.5	19.5	288	4	US-09-372-422A-12	Sequence 12, Appl
32	258.5	19.5	269	1	US-08-447-554-5	Sequence 5, Appl
33	258.5	19.5	269	1	US-08-468-763-17	Sequence 17, Appl
34	258.5	19.5	269	1	US-08-448-160-5	Sequence 5, Appl
35	258.5	19.5	269	2	US-08-393-996A-17	Sequence 17, Appl
36	258	19.4	284	4	US-09-372-422A-14	Sequence 14, Appl
37	257.5	19.4	289	4	US-09-372-422A-14	Sequence 14, Appl
38	257.5	19.4	312	4	US-09-252-991A-31853	Sequence 31853, A
39	254	19.1	296	4	US-09-372-422A-20	Sequence 20, Appl
40	250.5	18.9	239	4	US-09-372-422A-42	Sequence 42, Appl
41	249.5	18.8	282	4	US-09-543-681A-8275	Sequence 8275, Ap
42	249	18.8	232	4	US-09-328-352-6245	Sequence 6245, Ap
43	243.5	18.3	281	3	US-09-053-702-2	Sequence 2, Appl
44	243	18.3	303	4	US-09-252-991A-22050	Sequence 22050, A
45	225	16.9	309	4	US-09-489-039A-10582	Sequence 10582, A

ALIGNMENTS

RESULT 1

US-09-976-594-347
; Sequence 347, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 347
; LENGTH: 262
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 1804734CD1
US-09-976-594-347

Query Match 100.0%; Score 1328; DB 4; Length 262;
Best Local Similarity 100.0%; Pred. No. 1.9e-127;
Matches 255; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MCEPFGNDKAREPSVGGWRVSWYERFVQPCVLVLLGSAIFIFIGCLSVIENGDTGLL	60
DB	8	MCEPFGNDKAREPSVGGWRVSWYERFVQPCVLVLLGSAIFIFIGCLSVIENGDTGLL	67
QY	61	QPALAHGLALGLVIATLGNISGCHFNPAVSLAAMLIIGLNLVLLPYVWSQLGMLGAA	120
DB	68	QPALAHGLALGLVIATLGNISGCHFNPAVSLAAMLIIGLNLVLLPYVWSQLGMLGAA	127
QY	121	LAKAVSPEERFNWASGAFTVQEQVAGALVARIITLTLALAVCMGAINETKGPILA	180
DB	128	LAKAVSPEERFNWASGAFTVQEQVAGALVARIITLTLALAVCMGAINETKGPILA	187
QY	181	PFSIGFAVTVDILAGPSVGGCMNPARAFGPAVVAHNVHFWIYVWGLAGLLVGLLIR	240
DB	188	PFSIGFAVTVDILAGPSVGGCMNPARAFGPAVVAHNVHFWIYVWGLAGLLVGLLIR	247
QY	241	CFIGDKTRLILKAR	255
DB	248	CFIGDKTRLILKAR	262

RESULT 2

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US-09-610-906-1
; Sequence 1, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 1
; LENGTH: 443
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 2774542CD1
US-09-610-906-1

Query Match 100.0%; Score 1328; DB 4; Length 443;
Best Local Similarity 100.0%; Pred. No. 3.8e-127;
Matches 255; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCEPFGNDKAREPSVGGWRVSWYERFVQPCVLLGSALEFIFIGCLSVIENGDTGGL 60
DB 49 MCEPFGNDKAREPSVGGWRVSWYERFVQPCVLLGSALEFIFIGCLSVIENGDTGGL 108
QY 61 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVLLPYWVSOLLGMLGAA 120
DB 109 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVLLPYWVSOLLGMLGAA 168
QY 121 LAKAVSPERFVNAGAAFTVVEQGVAGALVAEIIITLLALAVCMGAINETKGP 180
DB 169 LAKAVSPERFVNAGAAFTVVEQGVAGALVAEIIITLLALAVCMGAINETKGP 228
QY 181 PFSIGFVTVLLAGPVSGGCMNPARAFGPAVVANHNHFWIYWLGPGLLAGLVGL 240
DB 229 PFSIGFVTVLLAGPVSGGCMNPARAFGPAVVANHNHFWIYWLGPGLLAGLVGL 288
QY 241 CFIGDKTRLILKAR 255
DB 289 CFIGDKTRLILKAR 303

RESULT 3
US-09-610-906-12
; Sequence 12, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 12
; LENGTH: 263
; TYPE: PRT
; ORGANISM: Rattus norvegicus
; NAME/KEY: misc feature
; OTHER INFORMATION: GenBank ID No. 6566066: g2346968
; PUBLICATION INFORMATION:

US-09-610-906-12
; Query Match 76.7%; Score 1018.5; DB 4; Length 263;
; Best Local Similarity 75.4%; Pred. No. 6.7e-96;
; Matches 193; Conservative 26; Mismatches 36; Indels 1; Gaps 1;

QY 1 MCEPFGNDKAREPSVGGWRVSWYERFVQPCVLLGSALEFIFIGCLSVIENGDTGGL 59
DB 8 MCEPFGNDKAREPSVGGWRVSWYERFVQPCVLLGSALEFIFIGCLSVIENGDTGGL 67
QY 60 LQPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVLLPYWVSOLLGMLG 119
DB 68 LQPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVLLPYWVSOLLGMLG 127
QY 120 ALAKAVSPERFVNAGAAFTVVEQGVAGALVAEIIITLLALAVCMGAINETKGP 179
DB 128 ALAKAVSPERFVNAGAAFTVVEQGVAGALVAEIIITLLALAVCMGAINETKGP 187
QY 180 PFSIGFVTVLLAGPVSGGCMNPARAFGPAVVANHNHFWIYWLGPGLLAGLVGL 239
DB 188 PFSIGFVTVLLAGPVSGGCMNPARAFGPAVVANHNHFWIYWLGPGLLAGLVGL 247
QY 240 RCFIGDKTRLILKAR 255
DB 248 RCFIGDKTRLILKAR 263

RESULT 4
US-08-654-025-2
; Sequence 2, Application US/08654025
; Patent No. 6008436
; GENERAL INFORMATION:
; APPLICANT: Conkling, Mark A.
; APPLICANT: Opperman, Charles H.
; APPLICANT: Acedo, Gregoria N.
; APPLICANT: Song, Wen
; TITLE OF INVENTION: Nematode Resistant Transgenic Plants
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kenneth D. Sibley; Bell, Seltzer, Park and
; ADDRESSEE: Gibson
; STREET: Post Office Drawer 34009
; CITY: Charlotte
; STATE: No. 6008436th Carolina
; COUNTRY: U.S.A.
; ZIP: 28234
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/654,025
; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/332,658
; FILING DATE:
; APPLICATION NUMBER: US/08/007,998
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sibley, Kenneth D.
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 5051-201
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-881-3140
; TELEFAX: 919-881-3175
; TELEX: 575102
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 250 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
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; APPLICANT: Rudolf Jung
; APPLICANT: Francois Barrieu
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; CURRENT FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 34
; LENGTH: 254
; TYPE: PRT
; ORGANISM: Zea mays
; US-09-372-422A-34

Query Match      27.5%; Score 365.5; DB 4; Length 254;
Best Local Similarity 38.5%; Pred. No. 2.4e-29;
Matches 87; Conservative 35; Mismatches 81; Indels 23; Gaps 7;

QY 33 LVELLGSALFPIG-----CLSVIENG---TDTGLQPALAHGLALGLVIATLGNISGGH 84
DB 24 VAEFISTLIFVAGSGGNWAFSKLTDGGAATPAGTAAASLAHALALFVAVSVGANISGGH 83
QY 85 FNPVSLAAMLGGNLVWMLPYWVSQLLGMLGAALAKAVSPERFWNASGAFAFVTVQE 144
DB 84 VNPATVFGAFVGNISLLKALVYVWVAQLLGSVACLLLKAT-----CGAALGAFSL 135
QY 145 QCQVA--GALVAEIIITLLALAVCMGAINEK--TKGPLAPFSTGFAVTVDIAGGPVSG 200
DB 136 SAGVGAMNAVLEVMYTFGLVTVYVATADPKKGLDGLVIAPIAIGFIVGANILAGGAFDG 195
QY 201 GCMNPARAFGPVAVHNNFHWIYWLGLPLLAGLLVGLLR--CRIG 244
DB 196 ASMNPAVFGPAVTVGVWNNHVVWVGP-LAGAAIALLYDIIFIG 240

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RESULT 10
US-09-372-422A-22
; Sequence 22, Application US/09372422A
; Patent No. 6313375
; GENERAL INFORMATION:
; APPLICANT: Rudolf Jung
; APPLICANT: Francois Barrieu
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; CURRENT FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 22
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Zea mays
; US-09-372-422A-22

Query Match      27.3%; Score 362; DB 4; Length 249;
Best Local Similarity 38.2%; Pred. No. 5.2e-29;
Matches 94; Conservative 37; Mismatches 83; Indels 32; Gaps 8;

QY 15 SVGGWRVSWYERFVQPCVLVELLGSALFIFGCLSVIENG---TDTGLQPALAHGLALGLVIATLGNISGGH 84
DB 8 SVGDSFSATSIKAYV-----AEFIATLLFVAGVSAIAYGQLTNGGALDPAGLVIAIAH 63
QY 67 GLALGLVIATLGNISGGHFNPAVSLAAMLGGNLVWMLPYWVSQLLGMLGAALAKAVS 126
DB 64 ALALFVGSVAANISGGHNPVATVGLVAGGHITITLTGTFVWVAQLLGAIVACLLGFTV 123
QY 127 PEERFWNASGAFAFVTVQEGVAG-----ALVAEIIITLLALAVCMGAINEK--TKGPL 179
DB 124 -----HGKAIPT-----HAVAGISELEGVVFVITFALVTVYVATADPKKGLGTI 171

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QY 180 APFSIGFAVTVDIAGGPVSGCMNPARAFGPVAVHNNFHWIYWLGLPLLAGLLVGLLI 239
DB 172 APIAIGFIVGANILAAAGPFGSGMNPARSFGPAVAGDFAGNWWYVWGLVGGGLAGLVY 231
QY 240 -RCFIG 244
DB 232 GDVFIG 237

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RESULT 11
US-09-372-448A-6
; Sequence 6, Application US/09372448A
; Patent No. 6313375
; GENERAL INFORMATION:
; APPLICANT: Rudolf Jung
; APPLICANT: Francois Chaumont
; APPLICANT: Maarten Chrispeels
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 1172
; CURRENT APPLICATION NUMBER: US/09/372,448A
; CURRENT FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/096,627
; PRIOR FILING DATE: 1998-08-14
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Zea mays
; US-09-372-448A-6

Query Match      26.8%; Score 356.5; DB 4; Length 249;
Best Local Similarity 37.1%; Pred. No. 1.9e-28;
Matches 82; Conservative 37; Mismatches 83; Indels 19; Gaps 5;

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QY 29 VOPCLVELLGSALFPIG-----CLSVIENG---TDTGLQPALAHGLALGLVIATLGNISGGH 80
DB 20 LKAAFAEFISTLIFVAGSGGNWAFSKLTDGGAATPAGTAAASLAHALALFVAVSVGANI 79
QY 81 SGHENPAVSLAAMLGGNLVWMLPYWVSQLLGMLGAALAKAVSPERFWNASGAFAFV 140
DB 80 SGHNPAVTFGAFVGNITLFRGLLYWVAQLLGSVACFLLR-----FSTGGQATG 131
QY 141 TVQEQG-QVAGALVAEIIITLLALAVCMGAINEK--TKGPLAPFSTGFAVTVDIAGGP 197
DB 132 TFGLTGVSVMVLEIVMTPGLVTVYVATADPKKGLDGLVIAPIAIGFIVGANILAGGAF 191
QY 198 VSGGCMNPARAFGPVAVHNNFHWIYWLGLPLLAGLLVGLLI 238
DB 192 FDGAGMNPVSPGALVSWWGYQWYVWVWGLLGGGLAGVI 232

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RESULT 12
US-09-372-422A-24
; Sequence 24, Application US/09372422A
; Patent No. 6313375
; GENERAL INFORMATION:
; APPLICANT: Rudolf Jung
; APPLICANT: Francois Barrieu
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; CURRENT FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 250
; TYPE: PRT
; ORGANISM: Zea mays
; US-09-372-422A-24

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QY 204 NPARFGPAVVANHN-FHWYWLGPILLAGLLVGLL 238
 ||||:||||| : : ||::||: : :
 Db 185 NPARSGPAVVNRRFGPSHWVFWGPIVGAMLAAIL 220

RESULT 15

US-08-447-554-4
Sequence 4, Application US/08447554
Patent No. 5661003
GENERAL INFORMATION:
APPLICANT: FUSHIMI, KIYOHIDE
APPLICANT: UCHIDA, SHINICHI
APPLICANT: SASAKI, SEI
APPLICANT: MARUMO, FUMIAKI
TITLE OF INVENTION: WATER CHANNEL
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSES: Morrison & Foerster
STREET: 2000 Pennsylvania Ave. NW, Ste. 5500
CITY: Washington, DC
COUNTRY: USA
ZIP: 20006-1812
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/447,554
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/126,365
FILING DATE: 24-SEP-1993
ATTORNEY/AGENT INFORMATION:
NAME: Murashige, Kate H.
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 5100-0003.00
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
TELEFAX: (202) 887-0763
TELEX: 90-4030
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 271 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-447-554-4

Search completed: February 18, 2004, 18:58:04
Job time : 11.0179 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: February 18, 2004, 14:05:12 ; Search time 112.625 Seconds
(without alignments)
478.083 Million cell updates/sec

Title: US-09-864-711-15
Perfect score: 1328
Sequence: 1 MCEPFGNDKAREPSVGGRW.....GLLRCFIGDGKTRILLKAR 255

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 809742 seqs, 211153259 residues
Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA.*
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2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pcp.*
3: /cgn2_6/ptodata/2/pubpaa/US05_NEW_PUB.pcp.*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pcp.*
5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pcp.*
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7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pcp.*
8: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pcp.*
9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pcp.*
10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pcp.*
11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pcp.*
12: /cgn2_6/ptodata/2/pubpaa/US09D_PUBCOMB.pcp.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pcp.*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pcp.*
15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pcp.*
16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pcp.*
17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pcp.*
18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pcp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1328	100.0	255	US-09-864-711-15	Sequence 15, Appl
2	1328	100.0	262	US-09-981-353-63	Sequence 63, Appl
3	1328	100.0	443	US-10-396-943-1	Sequence 1, Appl
4	1324	99.7	261	US-10-023-896-55	Sequence 55, Appl
5	1324	99.7	261	US-10-023-896-84	Sequence 84, Appl
6	1324	99.7	261	US-10-295-027-460	Sequence 460, Appl
7	1324	99.7	288	US-09-925-299-840	Sequence 840, Appl
8	1324	99.7	288	US-09-925-299-840	Sequence 840, Appl
9	1324	99.7	288	US-10-106-698-4522	Sequence 4522, Appl
10	1324	99.7	288	US-10-106-698-6263	Sequence 6263, Appl
11	1319	99.3	254	US-10-216-408-21	Sequence 21, Appl
12	1018.5	76.7	263	US-10-396-943-12	Sequence 12, Appl
13	366	27.6	249	US-10-310-154-606	Sequence 606, Appl
14	362	27.3	249	US-10-409-701-15	Sequence 15, Appl
15	334	25.2	265	US-10-097-340-12	Sequence 12, Appl

16	334	25.2	265	14	US-10-171-311-16	Sequence 16, Appl
17	306.5	23.1	323	15	US-10-295-027-254	Sequence 254, Appl
18	236.5	17.8	378	16	US-10-389-566-364	Sequence 364, Appl
19	236	17.8	46	14	US-10-023-896-107	Sequence 107, Appl
20	234.5	17.7	273	14	US-10-314-669-233	Sequence 233, Appl
21	232	17.5	288	15	US-10-310-154-607	Sequence 607, Appl
22	226	17.0	178	11	US-09-864-408A-3000	Sequence 3000, Appl
23	218.5	16.5	292	14	US-10-177-293-10	Sequence 10, Appl
24	218	16.4	281	14	US-10-156-761-14729	Sequence 14729, A
25	217	16.3	264	14	US-10-156-761-14193	Sequence 14193, A
26	209.5	15.8	234	10	US-09-769-787-9	Sequence 9, Appl
27	198.5	14.9	249	14	US-10-156-761-14492	Sequence 14492, A
28	189	14.2	38	14	US-10-023-896-101	Sequence 101, Appl
29	173	13.0	30	14	US-10-216-408-22	Sequence 22, Appl
30	167	12.6	342	9	US-09-849-980B-1	Sequence 1, Appl
31	165.5	12.5	152	14	US-10-314-669-232	Sequence 232, Appl
32	164	12.3	27	14	US-10-023-896-111	Sequence 111, Appl
33	147	11.1	346	15	US-10-093-463-174	Sequence 174, Appl
34	131	9.9	178	9	US-09-925-301-914	Sequence 914, Appl
35	126	9.5	110	9	US-09-867-550-298	Sequence 298, Appl
36	120	9.0	321	14	US-10-156-761-8507	Sequence 8507, Appl
37	114.5	8.6	791	14	US-10-156-761-12134	Sequence 12134, A
38	114	8.6	495	9	US-09-776-865-4	Sequence 4, Appl
39	113	8.5	124	10	US-09-989-442-96	Sequence 96, Appl
40	113	8.5	124	10	US-09-989-442-142	Sequence 142, Appl
41	107.5	8.1	497	9	US-09-738-626-6734	Sequence 6734, Appl
42	107	8.1	500	14	US-10-156-761-12077	Sequence 12077, A
43	107	8.1	650	9	US-09-815-242-13341	Sequence 13341, A
44	107	8.1	650	10	US-09-769-787-95	Sequence 95, Appl
45	104.5	7.9	465	15	US-10-369-493-17784	Sequence 17784, A

ALIGNMENTS

RESULT 1
US-09-864-711-15
; Sequence 15, Application US/09864711
; Patent No. US2002007309A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR PANCREATIC DISORDERS
; FILE REFERENCE: PB-0008-1 CIP
; CURRENT APPLICATION NUMBER: US/09/864,711
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PERL Program
; SEQ ID NO 15
; LENGTH: 255
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: 2774542CD1
US-09-864-711-15

Query Match 100.0%; Score 1328; DB 9; Length 255;
Best Local Similarity 100.0%; Pred. No. 1.5e-119;
Matches 255; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MCEPFGNDKAREPSVGGRWVSWYERFQPCIVELLSALFIFIGCLSVIENGDTGILL	60
Db	1	MCEPFGNDKAREPSVGGRWVSWYERFQPCIVELLSALFIFIGCLSVIENGDTGILL	60
Qy	61	QPALAHGLALGLVIATIGNISGHHFNPVSLAAMLIGGLNVLMLPYWYSQLGMLGAA	120
Db	61	QPALAHGLALGLVIATIGNISGHHFNPVSLAAMLIGGLNVLMLPYWYSQLGMLGAA	120
Qy	121	LAKAVSPEERFWNASGAFTVQEQVAGALVAEILITLLALAVCMGAINETKGPAA	180
Db	121	LAKAVSPEERFWNASGAFTVQEQVAGALVAEILITLLALAVCMGAINETKGPAA	180

QY 181 PFSIGFAVTVDILAGPVSVCNPARAFGPAVAVANHNHFWIYWLGPGLAGLLVGLLIR 240
Db 181 PFSIGFAVTVDILAGPVSVCNPARAFGPAVAVANHNHFWIYWLGPGLAGLLVGLLIR 240
QY 241 CFIGDGKTRLILKAR 255
Db 241 CFIGDGKTRLILKAR 255

RESULT 2

US-09-981-353-63
; Sequence 63, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 63
; LENGTH: 262
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1804734CD1
US-09-981-353-63

Query Match 100.0%; Score 1328; DB 9; Length 262;
Best Local Similarity 100.0%; Pred. No. 1.5e-119;
Matches 255; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCEPEFGNDKAREPSVGGWRVSWYERFVQPCVLVLLGSALFIFIGCLSVIENGDTDTGLL 60
Db 8 MCEPEFGNDKAREPSVGGWRVSWYERFVQPCVLVLLGSALFIFIGCLSVIENGDTDTGLL 67
QY 61 QPALAHGLALGLVIATLGNISGHNFPVSLAAMLIIGLNVLMLPYVWSQLGMLGAA 120
Db 68 QPALAHGLALGLVIATLGNISGHNFPVSLAAMLIIGLNVLMLPYVWSQLGMLGAA 127
QY 121 LAKAVSPERFWNASGAFTVVOEQOVAGALVAEIIITLIALAVCMGAINETKGPGLA 180
Db 128 LAKAVSPERFWNASGAFTVVOEQOVAGALVAEIIITLIALAVCMGAINETKGPGLA 187
QY 181 PFSIGFAVTVDILAGPVSVCNPARAFGPAVAVANHNHFWIYWLGPGLAGLLVGLLIR 240
Db 188 PFSIGFAVTVDILAGPVSVCNPARAFGPAVAVANHNHFWIYWLGPGLAGLLVGLLIR 247
QY 241 CFIGDGKTRLILKAR 255
Db 248 CFIGDGKTRLILKAR 262

RESULT 3

US-10-396-943-1
; Sequence 1, Application US/10396943
; Publication No. US20030158085A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/10/396,943
; CURRENT FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US/09/610,906
; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12

; SOFTWARE: PERL Program
; SEQ ID NO 1
; LENGTH: 443
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030158085A1 2774542CD1
US-10-396-943-1

Query Match 100.0%; Score 1328; DB 14; Length 443;
Best Local Similarity 100.0%; Pred. No. 2.9e-119;
Matches 255; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MCEPEFGNDKAREPSVGGWRVSWYERFVQPCVLVLLGSALFIFIGCLSVIENGDTDTGLL 60
Db 49 MCEPEFGNDKAREPSVGGWRVSWYERFVQPCVLVLLGSALFIFIGCLSVIENGDTDTGLL 108
QY 61 QPALAHGLALGLVIATLGNISGHNFPVSLAAMLIIGLNVLMLPYVWSQLGMLGAA 120
Db 109 QPALAHGLALGLVIATLGNISGHNFPVSLAAMLIIGLNVLMLPYVWSQLGMLGAA 168
QY 121 LAKAVSPERFWNASGAFTVVOEQOVAGALVAEIIITLIALAVCMGAINETKGPGLA 180
Db 169 LAKAVSPERFWNASGAFTVVOEQOVAGALVAEIIITLIALAVCMGAINETKGPGLA 228
QY 181 PFSIGFAVTVDILAGPVSVCNPARAFGPAVAVANHNHFWIYWLGPGLAGLLVGLLIR 240
Db 229 PFSIGFAVTVDILAGPVSVCNPARAFGPAVAVANHNHFWIYWLGPGLAGLLVGLLIR 288
QY 241 CFIGDGKTRLILKAR 255
Db 289 CFIGDGKTRLILKAR 303

RESULT 4

US-10-023-896-55
; Sequence 55, Application US/10023896
; Publication No. US20030027776A1
; GENERAL INFORMATION:
; APPLICANT: Victor Roschke
; TITLE OF INVENTION: 29 Human Cancer Associated Proteins
; FILE REFERENCE: PA004P1
; CURRENT APPLICATION NUMBER: US/10/023,896
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: unassigned
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: PCT/US00/23794
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152,296
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/158,003
; PRIOR FILING DATE: 1999-10-06
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 55
; LENGTH: 261
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-023-896-55

Query Match 99.7%; Score 1324; DB 14; Length 261;
Best Local Similarity 99.6%; Pred. No. 3.7e-119;
Matches 254; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCEPEFGNDKAREPSVGGWRVSWYERFVQPCVLVLLGSALFIFIGCLSVIENGDTDTGLL 60
Db 7 MCEPEFGNDKAREPSVGGWRVSWYERFVQPCVLVLLGSALFIFIGCLSVIENGDTDTGLL 66
QY 61 QPALAHGLALGLVIATLGNISGHNFPVSLAAMLIIGLNVLMLPYVWSQLGMLGAA 120
Db 67 QPALAHGLALGLVIATLGNISGHNFPVSLAAMLIIGLNVLMLPYVWSQLGMLGAA 126

QY 121 LAKAVSPERFVNAGAAFTVVEQGVAGALVAEIIITTLALAVCMGAINETKGPGLA 180
 DB 127 LAKAVSPERFVNAGAAFTVVEQGVAGALVAEIIITTLALAVCMGAINETKGPGLA 186
 QY 181 PFSIGFANTVDILAGPVSVCNMPARAFGPAVAVANHNFWIYWLGLAGLLVGLLIR 240
 DB 187 PFSIGFANTVDILAGPVSVCNMPARAFGPAVAVANHNFWIYWLGLAGLLVGLLIR 246
 QY 241 CFIGDGKTRILILKAR 255
 DB 247 CFIGDGKTRILILKAR 261

RESULT 5
 US-10-023-896-84
 ; Sequence 84, Application US/10023896
 ; Publication No. US2003002776A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Victor Roschke
 ; TITLE OF INVENTION: 29 Human Cancer Associated Proteins
 ; FILE REFERENCE: PA004PI
 ; CURRENT APPLICATION NUMBER: US/10/023,896
 ; CURRENT FILING DATE: 2001-12-21
 ; PRIOR APPLICATION NUMBER: unassigned
 ; PRIOR FILING DATE: 2001-12-21
 ; PRIOR APPLICATION NUMBER: PCT/US00/23794
 ; PRIOR FILING DATE: 2000-08-30
 ; PRIOR APPLICATION NUMBER: 60/152,296
 ; PRIOR FILING DATE: 1999-09-03
 ; PRIOR APPLICATION NUMBER: 60/158,003
 ; PRIOR FILING DATE: 1999-10-06
 ; NUMBER OF SEQ ID NOS: 138
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 84
 ; LENGTH: 261
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-023-896-84

Query Match 99.7%; Score 1324; DB 14; Length 261;
 Best Local Similarity 99.6%; Pred. No. 3.7e-119;
 Matches 254; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MCEPFGNDKAREPSVGGGRVSWYERFVQPCVLLGSALEIFITGCLSVIENGDTGCLL 60
 DB 7 MCEPFGNDKAREPSVGGGRVSWYERFVQPCVLLGSALEIFITGCLSVIENGDTGCLL 66
 QY 61 QPALAHGLALGVATLTGNISGHNPAVSLAAMLIIGLNVLMLPYWVSOLLGMLGAA 120
 DB 67 QPALAHGLALGVATLTGNISGHNPAVSLAAMLIIGLNVLMLPYWVSOLLGMLGAA 126
 QY 121 LAKAVSPERFVNAGAAFTVVEQGVAGALVAEIIITTLALAVCMGAINETKGPGLA 180
 DB 127 LAKAVSPERFVNAGAAFTVVEQGVAGALVAEIIITTLALAVCMGAINETKGPGLA 186
 QY 181 PFSIGFANTVDILAGPVSVCNMPARAFGPAVAVANHNFWIYWLGLAGLLVGLLIR 240
 DB 187 PFSIGFANTVDILAGPVSVCNMPARAFGPAVAVANHNFWIYWLGLAGLLVGLLIR 246
 QY 241 CFIGDGKTRILILKAR 255
 DB 247 CFIGDGKTRILILKAR 261

RESULT 6
 US-10-295-027-460
 ; Sequence 460, Application US/10295027
 ; Publication No. US20030232350A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Afar, Daniel
 ; APPLICANT: Aziz, Natasha
 ; APPLICANT: Ginsberg, Wendy M.
 ; APPLICANT: Gish, Kurt C.

APPLICANT: Glynn, Richard
 APPLICANT: Hevezi, Peter A.
 APPLICANT: Mack, David H.
 APPLICANT: Murray, Richard
 APPLICANT: Watson, Susan R.
 APPLICANT: Eos Biotechnology, Inc.
 TITLE OF INVENTION: Methods of diagnosis of Cancer, Compositions and
 TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
 FILE REFERENCE: 018501-01250005
 CURRENT APPLICATION NUMBER: US/10/295,027
 CURRENT FILING DATE: 2002-11-13
 PRIOR APPLICATION NUMBER: US 09/663,733
 PRIOR FILING DATE: 2000-09-15
 PRIOR APPLICATION NUMBER: US 60/350,666
 PRIOR FILING DATE: 2001-11-13
 PRIOR APPLICATION NUMBER: US 60/335,394
 PRIOR FILING DATE: 2001-11-15
 PRIOR APPLICATION NUMBER: US 60/332,464
 PRIOR FILING DATE: 2001-11-21
 PRIOR APPLICATION NUMBER: US 60/334,393
 PRIOR FILING DATE: 2001-11-29
 PRIOR APPLICATION NUMBER: US 60/340,376
 PRIOR FILING DATE: 2001-12-14
 PRIOR APPLICATION NUMBER: US 60/347,211
 PRIOR FILING DATE: 2002-01-08
 PRIOR APPLICATION NUMBER: US 60/347,349
 PRIOR FILING DATE: 2002-01-10
 PRIOR APPLICATION NUMBER: US 60/355,250
 PRIOR FILING DATE: 2002-02-08
 PRIOR APPLICATION NUMBER: US 60/356,714
 PRIOR FILING DATE: 2002-02-13
 Remaining Prior Application data removed - See File Wrapper or PALM.
 NUMBER OF SEQ ID NOS: 1386
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 460
 LENGTH: 261
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-295-027-460

Query Match 99.7%; Score 1324; DB 15; Length 261;
 Best Local Similarity 99.6%; Pred. No. 3.7e-119;
 Matches 254; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1 MCEPFGNDKAREPSVGGGRVSWYERFVQPCVLLGSALEIFITGCLSVIENGDTGCLL 60
 DB 7 MCEPFGNDKAREPSVGGGRVSWYERFVQPCVLLGSALEIFITGCLSVIENGDTGCLL 66
 QY 61 QPALAHGLALGVATLTGNISGHNPAVSLAAMLIIGLNVLMLPYWVSOLLGMLGAA 120
 DB 67 QPALAHGLALGVATLTGNISGHNPAVSLAAMLIIGLNVLMLPYWVSOLLGMLGAA 126
 QY 121 LAKAVSPERFVNAGAAFTVVEQGVAGALVAEIIITTLALAVCMGAINETKGPGLA 180
 DB 127 LAKAVSPERFVNAGAAFTVVEQGVAGALVAEIIITTLALAVCMGAINETKGPGLA 186
 QY 181 PFSIGFANTVDILAGPVSVCNMPARAFGPAVAVANHNFWIYWLGLAGLLVGLLIR 240
 DB 187 PFSIGFANTVDILAGPVSVCNMPARAFGPAVAVANHNFWIYWLGLAGLLVGLLIR 246
 QY 241 CFIGDGKTRILILKAR 255
 DB 247 CFIGDGKTRILILKAR 261

RESULT 7
 US-09-925-299-840
 ; Sequence 840, Application US/09925299
 ; Patent No. US20020055627A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 ; FILE REFERENCE: PA102

; CURRENT APPLICATION NUMBER: US/09/925,299
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 840
; LENGTH: 288
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-925-299-840

Query Match 99.7%; Score 1324; DB 9; Length 288;
Best Local Similarity 99.6%; Pred. No. 4.1e-119;
Matches 254; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCEPEFGNDKAREPSVGGGRWRSWYERFVQPCVLVLLGSALEFIFIGCLSVIENGDTGGLL 60
DB 34 MCEPEFGNDKAREPSVGGGRWRSWYERFVQPCVLVLLGSALEFIFIGCLSVIENGDTGGLL 93
QY 61 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVMLLPYVWSQLLGMGLAA 120
DB 94 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVMLLPYVWSQLLGMGLAA 153
QY 121 LAKAVSPEERFWNAGAAFTVVEQGVAGALVAEIIITLLALAVCMGAINETKGPGLA 180
DB 154 LAKAVSPEERFWNAGAAFTVVEQGVAGALVAEIIITLLALAVCMGAINETKGPGLA 213
QY 181 PFSIGFAVTVDILAGPSVGGCMNPARAFGPAVVANHNHFWIYWLGPGLAGLLVGLLIR 240
DB 214 PFSIGFAVTVDILAGPSVGGCMNPARAFGPAVVANHNHFWIYWLGPGLAGLLVGLLIR 273

QY 241 CFIGDGKTRLLILKAR 255
DB 274 CFIGDGKTRLLILKAR 288

RESULT 8

US-09-925-299-840
; Sequence 840, Application US/09925299
; Publication No. US20030040617A9
; GENERAL INFORMATION:

; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 840
; LENGTH: 288
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-925-299-840

Query Match 99.7%; Score 1324; DB 10; Length 288;
Best Local Similarity 99.6%; Pred. No. 4.1e-119;
Matches 254; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCEPEFGNDKAREPSVGGGRWRSWYERFVQPCVLVLLGSALEFIFIGCLSVIENGDTGGLL 60
DB 34 MCEPEFGNDKAREPSVGGGRWRSWYERFVQPCVLVLLGSALEFIFIGCLSVIENGDTGGLL 93
QY 61 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVMLLPYVWSQLLGMGLAA 120
DB 94 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVMLLPYVWSQLLGMGLAA 153

QY 121 LAKAVSPEERFWNAGAAFTVVEQGVAGALVAEIIITLLALAVCMGAINETKGPGLA 180
DB 154 LAKAVSPEERFWNAGAAFTVVEQGVAGALVAEIIITLLALAVCMGAINETKGPGLA 213
QY 181 PFSIGFAVTVDILAGPSVGGCMNPARAFGPAVVANHNHFWIYWLGPGLAGLLVGLLIR 240
DB 214 PFSIGFAVTVDILAGPSVGGCMNPARAFGPAVVANHNHFWIYWLGPGLAGLLVGLLIR 273
QY 241 CFIGDGKTRLLILKAR 255
DB 274 CFIGDGKTRLLILKAR 288

RESULT 9

US-10-106-698-4522
; Sequence 4522, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:

; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 4522
; LENGTH: 288
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-4522

Query Match 99.7%; Score 1324; DB 14; Length 288;
Best Local Similarity 99.6%; Pred. No. 4.1e-119;
Matches 254; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCEPEFGNDKAREPSVGGGRWRSWYERFVQPCVLVLLGSALEFIFIGCLSVIENGDTGGLL 60
DB 34 MCEPEFGNDKAREPSVGGGRWRSWYERFVQPCVLVLLGSALEFIFIGCLSVIENGDTGGLL 93
QY 61 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVMLLPYVWSQLLGMGLAA 120
DB 94 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVMLLPYVWSQLLGMGLAA 153
QY 121 LAKAVSPEERFWNAGAAFTVVEQGVAGALVAEIIITLLALAVCMGAINETKGPGLA 180
DB 154 LAKAVSPEERFWNAGAAFTVVEQGVAGALVAEIIITLLALAVCMGAINETKGPGLA 213
QY 181 PFSIGFAVTVDILAGPSVGGCMNPARAFGPAVVANHNHFWIYWLGPGLAGLLVGLLIR 240
DB 214 PFSIGFAVTVDILAGPSVGGCMNPARAFGPAVVANHNHFWIYWLGPGLAGLLVGLLIR 273
QY 241 CFIGDGKTRLLILKAR 255
DB 274 CFIGDGKTRLLILKAR 288

RESULT 10

US-10-106-698-6263
; Sequence 6263, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:

; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524


```
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: Patent In Ver. 3.0
; SEQ ID NO 6263
; LENGTH: 288
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-6263

Query Match          99.7%; Score 1324; DB 14; Length 288;
Best Local Similarity 99.6%; Pred. No. 4.1e-119;
Matches 254; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCEPFGNDKAREPSVGRWRVSVYERFVQPCVLVLLGSALEFIFIGCLSVIENGTDGTL 60
Db 34 MCEPFGNDKAREPSVGRWRVSVYERFVQPCVLVLLGSALEFIFIGCLSVIENGTDGTL 93
QY 61 QPALAHGLALGLVIATLGNISGCHFNPAVSLAAMLIIGLNLMVLLPYWVSQLLGMLGAA 120
Db 94 QPALAHGLALGLVIATLGNISGCHFNPAVSLAAMLIIGLNLMVLLPYWVSQLLGMLGAA 153
QY 121 LAKAVSPEERFWNAGAAFTVQEQGVAGALVAEIIITLLALAVCMGAINETKGP 180
Db 154 LAKAVSPEERFWNAGAAFTVQEQGVAGALVAEIIITLLALAVCMGAINETKGP 213
QY 181 PFSIGFVTVDILAGPVSOGGMPARAFPAVAVANHNHFWIYWLGLLGLLGL 240
Db 214 PFSIGFVTVDILAGPVSOGGMPARAFPAVAVANHNHFWIYWLGLLGLLGL 273
QY 241 CFIGDGKTRLLIKAR 255
Db 274 CFIGDGKTRLLIKAQ 288

RESULT 11
US-10-216-408-21
; Sequence 21, Application US/10216408
; Publication No. US20030013159A1
; GENERAL INFORMATION:
; APPLICANT: COHEN, MAURICE
; COLPITTS, TRACEY L.
; FRIEDMAN, PAULA N.
; GRANADOS, EDWARD N.
; KLASS, MICHAEL R.
; RUSSELL, JOHN C.
; STROUPE, STEVEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; FOR DETECTING DISEASE OF THE GASTROINTESTINAL
; TRACT
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/216,408
; FILING DATE: 09-AUG-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION NUMBER:
; APPLICATION NUMBER: US/08/959,634
; FILING DATE: <Unknown>
```

```
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6188.US.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 254 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: NO. US20030013159A1e
; SEQUENCE DESCRIPTION: SEQ ID NO: 21:
US-10-216-408-21

Query Match          99.3%; Score 1319; DB 14; Length 254;
Best Local Similarity 100.0%; Pred. No. 1.1e-118;
Matches 253; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCEPFGNDKAREPSVGRWRVSVYERFVQPCVLVLLGSALEFIFIGCLSVIENGTDGTL 60
Db 1 MCEPFGNDKAREPSVGRWRVSVYERFVQPCVLVLLGSALEFIFIGCLSVIENGTDGTL 60
QY 61 QPALAHGLALGLVIATLGNISGCHFNPAVSLAAMLIIGLNLMVLLPYWVSQLLGMLGAA 120
Db 61 QPALAHGLALGLVIATLGNISGCHFNPAVSLAAMLIIGLNLMVLLPYWVSQLLGMLGAA 120
QY 121 LAKAVSPEERFWNAGAAFTVQEQGVAGALVAEIIITLLALAVCMGAINETKGP 180
Db 121 LAKAVSPEERFWNAGAAFTVQEQGVAGALVAEIIITLLALAVCMGAINETKGP 180
QY 181 PFSIGFVTVDILAGPVSOGGMPARAFPAVAVANHNHFWIYWLGLLGLLGL 240
Db 181 PFSIGFVTVDILAGPVSOGGMPARAFPAVAVANHNHFWIYWLGLLGLLGL 240
QY 241 CFIGDGKTRLLIK 253
Db 241 CFIGDGKTRLLIK 253
```

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RESULT 12
US-10-396-943-12
; Sequence 12, Application US/10396943
; Publication No. US20030158085A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmuth, Wayne
; APPLICANT: Klingner, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/10/396,943
; CURRENT FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US/09/610,906
; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 12
; LENGTH: 263
; TYPE: PRT
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: GenBank ID No. US20030158085A1: g2346968
; PUBLICATION INFORMATION:
US-10-396-943-12

Query Match          76.7%; Score 1018.5; DB 14; Length 263;
Best Local Similarity 75.4%; Pred. No. 8.6e-90;
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Matches 193; Conservative 26; Mismatches 36; Indels 1; Gaps 1;
QY 1 MCEPFGNDKAREPSVGGWR-VSMYERFVQCLVELLSALFIFIGCLSVIENGDTGL 59
Db 8 MCSMDURETKGKETNADSYHGKSWYEQYQPCVVVELLSALFIFIGCLSVIENSPNGL 67
QY 60 LQPALAHLGALGIATLGNISGGHFNPAVSLAAMLIGLNLMVLLPYWVSQLLGMLGA 119
Db 68 LQPALAHLGALGIATLGNISGGHFNPAVSLAAMLVGLKTMLLIPYWSQLFGGMIGA 127
QY 120 ALAKAVSPERFWNASGAAPVTVQEQGVAGALVBAIITLLALAVCMGAINEXTKPL 179
Db 128 ALAKVSPERFWNASGAAPVTVQEQGVAGALVBAIITLLALAVCMGAVNEKTMGFL 187
QY 180 APPSIGFATVTDILAGGPGVSGGMPARAFGPAVVANHNFWIYMLGPLLGLVGLLI 239
Db 188 APPSIGFVIVDILAGGPGVSGGMPARAFGPAVVANHNFWIYMLGPLLGLVGLLI 247
QY 240 RPIGDKTRLILKAR 255
Db 248 RLFIGDKTRLILKSR 263

RESULT 13
US-10-310-154-606
; Sequence 606; Application US/10310154
; Publication No. US20030233670A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; APPLICANT: Chomet, Paul S.
; APPLICANT: Adams, Thomas H
; APPLICANT: Ruff, Thomas G.
; APPLICANT: Agarwal, Ameeta K.
; APPLICANT: Ahrens, Jeffrey E.
; APPLICANT: Ball, James A.
; APPLICANT: Banu, G.
; APPLICANT: Bell, Erin
; APPLICANT: Boddupalli, Raghava
; APPLICANT: Deikman, Jill
; APPLICANT: Deng, Molian
; APPLICANT: Dong, Jinzhao
; APPLICANT: Duff, Stephen M.
; APPLICANT: Galligan, Meghan M.
; APPLICANT: Hinchey, Brenda S.
; APPLICANT: Huang, Shihshieh
; APPLICANT: Johnson, G. Richard
; APPLICANT: Jung, Vincent
; APPLICANT: Kretzmer, Keith A
; APPLICANT: Laccetti, Lucille B.
; APPLICANT: Lai, Chao-Qiang
; APPLICANT: Lee, Gary
; APPLICANT: Lin, Jie-Yi
; APPLICANT: Liu, Jingdong
; APPLICANT: Lu, Bin
; APPLICANT: Luethy, Michael M.
; APPLICANT: Lund, Adrian
; APPLICANT: Madson, Linda L.
; APPLICANT: Malloy, Kathleen A.
; APPLICANT: McKiel, Christine L.
; APPLICANT: Miller, Philip W.
; APPLICANT: Padmavathi, Manchikanti
; APPLICANT: Parnell, Laurence D.
; APPLICANT: Start, William G.
; APPLICANT: Tennesen, Dan
; APPLICANT: Vidya, K.R.
; APPLICANT: Wang, Haiyun
; APPLICANT: Xin, Zhanguo
; APPLICANT: Xu, Nanfei
; APPLICANT: Yang, Chunzhi
; APPLICANT: Zeng, Xiaoping
; APPLICANT: Zhang, Qiang
; APPLICANT: Zhao, Yajuan
; APPLICANT: Zhou, Li

; TITLE OF INVENTION: Gene Sequences and Uses Thereof in Plants
; FILE REFERENCE: 38-15(52796)B
; CURRENT APPLICATION NUMBER: US/10/310,154
; CURRENT FILING DATE: 2002-12-04
; PRIOR APPLICATION NUMBER: 60/337,358
; PRIOR FILING DATE: 2001-12-04
; NUMBER OF SEQ ID NOS: 736
; SEQ ID NO 606
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Zea mays
; US-10-310-154-606
Query Match 27.6%; Score 366; DB 15; Length 249;
Best Local Similarity 38.6%; Pred. No. 4.3e-27;
Matches 95; Conservative 37; Mismatches 82; Indels 32; Gaps 8;
QY 15 SVGGRWVSWYERFVQPCVVELLSALFIFIGCLSVIENG--TDTGLLOP-----ALAH 66
Db 8 SVGDSFSATSIKAYV-----AEFIATLLFVAGVSAIYQLTNGALDPAGLVAIAIAH 63
QY 67 GLALGLVIATLGNISGGHFNPAVSLAAMLIGLNLMVLLPYWVSQLLGMLGAALAKAVS 126
Db 64 ALALFVGVSVAANISGCHLNPAVTFGLAVGGHITILTGVFYVVAQLLGATVACLLLGFT 123
QY 127 PEERFWNASGAAPVTVQEQGVAG-----ALVABEILITLLALAVCMGAINEK--TKGPL 179
Db 124 -----HGKAIP-----HAVAGISELGVVFEVITFALVTVYATAADPKGSLGTI 171
QY 180 APPSIGFATVTDILAGGPGVSGGMPARAFGPAVVANHNFWIYMLGPLLGLVGLLI 239
Db 172 APIAIGFIVCANILAAAGPFGSGGMPARSGFPAVAGDPFAGNWNVYVWVGLVGGGLAGLVY 231
QY 240 -RCFIG 244
Db 232 GDVFIG 237
RESULT 14
US-10-409-701-15
; Sequence 15; Application US/10409701
; Publication No. US20030221224A1
; GENERAL INFORMATION:
; APPLICANT: Zinselmeier, Chris
; APPLICANT: Helentjaris, Timothy G.
; TITLE OF INVENTION: Enhanced Silk Exsersion Under Stress
; FILE REFERENCE: 1421
; CURRENT APPLICATION NUMBER: US/10/409,701
; CURRENT FILING DATE: 2003-04-08
; PRIOR APPLICATION NUMBER: US 60/370,796
; PRIOR FILING DATE: 2002-04-08
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Xaa = any amino acid
; US-10-409-701-15
Query Match 27.3%; Score 362; DB 15; Length 249;
Best Local Similarity 38.2%; Pred. No. 1e-26;
Matches 94; Conservative 37; Mismatches 83; Indels 32; Gaps 8;
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Db 8 SVGDSFSATSIKAYV-----AEFIATLLFVAGVSAIYQLTNGALDPAGLVAIAIAH 63
QY 67 GLALGLVIATLGNISGGHFNPAVSLAAMLIGLNLMVLLPYWVSQLLGMLGAALAKAVS 126
Db 64 ALALFVGVSVAANISGCHLNPAVTFGLAVGGHITILTGVFYVVAQLLGATVACLLLGFT 123

QY 127 PEERFNASGAFTVVOQGVAG-----ALVABIIITLTLALAVCMGAINEX--TKGPL 179
 DB 124 -----HGKAIFT-----HAVAGTSELEGVFEVWITFALVYTVYATAADPKKGSIGTI 171
 QY 180 APFSTGRAVTVDIILAGGPGVSGGKNPARAFGPAVVANHNWPHWYWLGPILLAGLLVGLLI 239
 DB 172 APIALGFIVGANILAAAGFSGGSMNPARSPFPAVAAGDFAGNWNVYVGPVGGGLAGLVY 231
 QY 240 -RCFTG 244
 DB 232 GGVFTG 237

RESULT 15

US-10-097-340-12
 ; Sequence 12, Application US/10097340
 ; Publication No. US20030087250A1
 ; GENERAL INFORMATION:
 ; APPLICANT: John MONAHAN
 ; APPLICANT: Manjula GANNAVAPAPU
 ; APPLICANT: Sebastian HOERSCH
 ; APPLICANT: Shubhangi KAMATKAR
 ; APPLICANT: Steve G. KOVATS
 ; APPLICANT: Rachel E. MEYERS
 ; APPLICANT: Michael MORRISEY
 ; APPLICANT: Peter OLANDT
 ; APPLICANT: Ami SEN
 ; APPLICANT: Peter VEIBY
 ; APPLICANT: Gordon B. MILLS
 ; APPLICANT: Robert C. BAST, Jr.
 ; APPLICANT: Karen LU
 ; APPLICANT: Rosemarie SCHMANDT
 ; APPLICANT: Xumei ZHAO
 ; APPLICANT: Karen GIATT
 ; TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,
 ; Prevention, and Therapy of Ovarian Cancer
 ; FILE REFERENCE: MRI-030
 ; CURRENT APPLICATION NUMBER: US/10/097,340
 ; CURRENT FILING DATE: 2002-03-14
 ; PRIOR APPLICATION NUMBER: 60/276,025
 ; PRIOR FILING DATE: 2001-03-14
 ; PRIOR APPLICATION NUMBER: 60/325,149
 ; PRIOR FILING DATE: 2001-09-26
 ; PRIOR APPLICATION NUMBER: 60/276,026
 ; PRIOR FILING DATE: 2001-03-14
 ; PRIOR APPLICATION NUMBER: 60/324,967
 ; PRIOR FILING DATE: 2001/09/26
 ; PRIOR APPLICATION NUMBER: 60/311,732
 ; PRIOR FILING DATE: 2001-08-10
 ; PRIOR APPLICATION NUMBER: 60/325,102
 ; PRIOR FILING DATE: 2001-09-26
 ; PRIOR APPLICATION NUMBER: 60/323,580
 ; PRIOR FILING DATE: 2001-09-19
 ; NUMBER OF SEQ ID NOS: 363
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 12
 ; LENGTH: 265
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-097-340-12

Query Match 25.2%; Score 334; DB 14; Length 265;
 Best Local Similarity 37.2%; Pred. No. 5.6e-24;
 Matches 80; Conservative 44; Mismatches 83; Indels 8; Gaps 5;
 QY 28 FVQPCIVLGLSALFIFIGCLSVIE--NGTDTGLQLPALAHGLALGLVIATIGNISGHP 85
 DB 10 FLKAVFAEPLATLIFVFFGLSGALKWPSALPT-ILQIALAFGLAIGTTLAQLGPFVSGCHI 68
 QY 86 NPAVSLAAMLGGLNLMVLLPYWVQLLGGMLGAALAKAVSPPEEFNWSGAFTVVOEQ 145
 DB 69 NPAITLALLVGNQISLLRAFFYVAQLVGATAGAGILYGVAPLNARGNLAVNANNNTQ 128

QY 146 GOVAGALVABIIITLTLALAVCMGAINEX--TKGPL 204
 DB 129 GQ---AMVVELLITLTPQLALCIFASTDSSRTSPVSGSPALSIGLSVTLGHLVGIYFTGSMN 185
 QY 205 PARAFGPAVVANHNW--FHWYWLGPILLAGLLVGLLI 238
 DB 186 PARAFGPAVVANRFPSPAHVFWVFWGPIVGAVALAIL 220

Search completed: February 18, 2004, 19:09:45
 Job time : 113.625 secs

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OM nucleic - nucleic search, using sw model

Run on: February 18, 2004, 13:28:27 ; Search time 139.901 Seconds
(without alignments)
7798.602 Million cell updates/sec

Title: US-09-864-711-1
Perfect score: 1966
Sequence: 1 caaatgagcttgtaagaa.....atgtcaaaaaaaaaaaaaa 1966

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

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- 2: /cgn2_6/ptodata/2/ina/5B_COMB.seq.*
- 3: /cgn2_6/ptodata/2/ina/6A_COMB.seq.*
- 4: /cgn2_6/ptodata/2/ina/6B_COMB.seq.*
- 5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq.*
- 6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	1944.4	98.9	2917	4	US-09-905-125A-189
3	1944.4	98.9	2917	4	US-09-902-775A-189
4	774.8	39.4	892	4	US-09-833-381-1918
5	403	20.5	518	4	US-09-833-381-1917
6	164.6	8.4	4360	1	US-08-470-350B-1
7	156	7.9	167	1	US-08-700-575-39
8	124.4	6.3	5943	4	US-09-976-594-272
9	122.8	6.2	5802	4	US-09-341-587-4
10	73.4	3.7	2001	4	US-09-341-587-2
11	65	3.3	11272	4	US-09-341-461-1
12	56.6	2.9	28720	4	US-09-341-587-7
13	54.2	2.8	5021	4	US-09-285-385C-1
14	52.8	2.7	3690	3	US-08-991-408-3
15	52.6	2.7	3690	4	US-09-432-473-3
16	52.6	2.7	3919	2	US-08-866-650-4
17	52.6	2.7	3919	2	US-09-021-287-4
18	52.6	2.7	3919	3	US-09-240-473-4
19	51.6	2.6	4771	2	US-08-866-650-2
20	51.6	2.6	4771	2	US-09-021-287-2
21	51.6	2.6	4771	3	US-09-240-473-2
22	51	2.6	5145	3	US-08-991-408-1
23	51	2.6	5145	4	US-09-432-473-1
24	48.4	2.5	1802	3	US-09-032-523-5
25	48.4	2.5	1802	4	US-09-802-633-5
26	48.4	2.5	2026	4	US-09-907-794A-103
27	48.4	2.5	2026	4	US-09-905-125A-103

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Sequence 3, Appli
Sequence 75, Appli
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Sequence 1192, App
Sequence 1, Appli
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Sequence 1, Appli
Sequence 1, Appli
Sequence 63, Appli

28 48.4 2.5 2026 4 US-09-902-775A-103
29 47.8 2.4 4661 4 US-09-285-385C-3
30 47.6 2.4 1806 4 US-09-800-729-75
31 47 2.4 47 4 US-09-907-794A-193
32 47 2.4 47 4 US-09-905-125A-193
33 47 2.4 47 4 US-09-902-775A-193
34 45.6 2.3 2457 3 US-08-872-757-1
35 45.6 2.3 2457 4 US-09-850-048A-1
36 45.6 2.3 2487 1 US-08-377-292-1
37 44 2.2 3546 3 US-08-872-757-3
38 44 2.2 3546 4 US-09-850-048A-3
39 40 2.0 972 4 US-09-601-198-127
40 38.6 2.0 726 4 US-09-107-532A-1192
41 38 1.9 1414 1 US-08-024-868-1
42 38 1.9 1414 2 US-08-242-097-1
43 38 1.9 1414 3 US-09-206-695-1
44 38 1.9 1414 4 US-09-799-118-1
45 38 1.9 1734 4 US-09-484-970B-63

ALIGNMENTS

RESULT 1
US-09-907-794A-189
; Sequence 189, Application US/09907794A
; Patent No. 6635468
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,794A
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-03-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-03-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547

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; PRIOR FILLING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILLING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILLING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILLING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILLING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILLING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILLING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILLING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILLING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILLING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-907-794A-189

Query Match      98.9%; Score 1944.4; DB 4; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 1 CAAATGGAGCTGTGAAGAGGCTCATGCCATTTGACCCCTTTAAATTTCTCTCTGTTTGGC 60
DB 960 CAAATGGAGCTGTGAAGAGGCTCATGCCATTTGACCCCTTTAAATTTCTCTCTGTTTGGC 1019

QY 61 GGA-CTGACAAATGGCGAGGCTGAAGGCAATGCAAGTGCACAGTCAGTCAGTCAGGGGGTGC 119
DB 1020 GGAAGCTGACAAATGGCGAGGCTGAAGGCAATGCAAGTGCACAGTCAGTCAGTCAGGGGGTGC 1079

QY 120 CAATATGGCGAGAGCCACAAAGGCAATGATCTTGAACCTCAATCCAGTCAGAGCACTGCAC 179
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QY 180 CTGGACAAATGAAGAGCAGCAAAAGCAATGATCTTGAACCTCAATCCAGTCAGAGCACTGCAC 239
DB 1140 CTGGACAAATGAAGAGCAGCAAAAGCAATGATCTTGAACCTCAATCCAGTCAGAGCACTGCAC 1199

QY 240 TGATCCAGATGGAAGCTGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 299
DB 1200 TGATCCAGATGGAAGCTGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1259

QY 300 TGGGCTCTGTAGGCAAGCTGTGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 359
DB 1260 TGGGCTCTGTAGGCAAGCTGTGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1319

QY 360 ATCCAGTACATTTGAGCTTTCAATAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 419
DB 1320 ATCCAGTACATTTGAGCTTTCAATAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1379

QY 420 TGTCTTCTACTACTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 479
DB 1380 TGTCTTCTACTACTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1439

QY 480 TACCTTTGAAGGATCTCTTACAGCCCAATTTACCCAAAGCCGATCTCTGAGCTGGCTTA 539
DB 1440 TACCTTTGAAGGATCTCTTACAGCCCAATTTACCCAAAGCCGATCTCTGAGCTGGCTTA 1499

QY 540 TTGTGTGGGCACTACAGTGGAGAGAGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAG 599
DB 1500 TTGTGTGGGCACTACAGTGGAGAGAGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAG 1559

QY 600 TTTCCTAGAAATAGACAAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 659
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 QY 780 TGCTTCTTCACTCACTTATATGAGAAACATCAACATCACTTATTTAACTTGTCTTTC 839
 Db 1740 TGCTTCTTCACTCACTTATATGAGAAACATCAACATCACTTATTTAACTTGTCTTTC 1799
 QY 840 TGACAGATGAGAGTTATTTAAGCAAACTCTACCTAGAGGCTTTTAACTCTAATGGGAA 899
 Db 1800 TGACAGATGAGAGTTATTTAAGCAAACTCTACCTAGAGGCTTTTAACTCTAATGGGAA 1859
 QY 900 TAACCTGCACTAAAGACCCCACTTGCAGACCAAAATTTATCAAAATGTTGTGAATTTTC 959
 Db 1860 TAACCTGCACTAAAGACCCCACTTGCAGACCAAAATTTATCAAAATGTTGTGAATTTTC 1919
 QY 960 TGTCCCTCTTAAATGGAATGCTGATCAATCAAGAAAGGTAGAGATCACTCAATTTACAC 1019
 Db 1920 TGTCCCTCTTAAATGGAATGCTGATCAATCAAGAAAGGTAGAGATCACTCAATTTACAC 1979
 QY 1020 CAATATAATCACTTTTCTGATCCTCACTTCTGAAGTATCACCGGTGAGAAACACT 1079
 Db 1980 CAATATAATCACTTTTCTGATCCTCACTTCTGAAGTATCACCGGTGAGAAACACT 2039
 QY 1080 CCAGATTATTGTGAAGTGTGAATGGGACATAATTTCTACAGTGGAGATATATACATAAC 1139
 Db 2040 CCAGATTATTGTGAAGTGTGAATGGGACATAATTTCTACAGTGGAGATATATACATAAC 2099
 QY 1140 AGAAGATGATGATATAAAGTCAAAATGCACTGGGCAAAATATAACACAGCATGCTCT 1199
 Db 2100 AGAAGATGATGATATAAAGTCAAAATGCACTGGGCAAAATATAACACAGCATGCTCT 2159
 QY 1200 TTTTGAATCCAAATTCATTTGAAAGACTATCTTGAATCACCATTATTTGTGATTTGAA 1259
 Db 2160 TTTTGAATCCAAATTCATTTGAAAGACTATCTTGAATCACCATTATTTGTGATTTGAA 2219
 QY 1260 CCAAACTCTTTTGTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGTGTTTCT 1319
 Db 2220 CCAAACTCTTTTGTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGTGTTTCT 2279
 QY 1320 TGATACCTGTAGACCTCTCCACCTCTGACTTGTGATCTGCACTCAGACCTATCAAA 1379
 Db 2280 TGATACCTGTAGACCTCTCCACCTCTGACTTGTGATCTCAGACCTATCAAA 2339
 QY 1380 GAGTGGATGATGATGAGATGAACTTGAAGTGTATCTTATTTGGACACTATGGAG 1439
 Db 2340 GAGTGGATGATGATGAGATGAACTTGAAGTGTATCTTATTTGGACACTATGGAG 2399
 QY 1440 ATTCAGTTTAAATGCTTTAAATTTCTTGAAGATGATGATCTGTGATCTGAGTTGAA 1499
 Db 2400 ATTCAGTTTAAATGCTTTAAATTTCTTGAAGATGATGATCTGTGATCTGAGTTGAA 2459
 QY 1500 AGTTTGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1559
 Db 2460 AGTTTGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2519
 QY 1560 AAGCAAAACGAGACATTTCTTCAATAAATGGAACAGATTTCCATCATAGGACCCATTCG 1619
 Db 2520 AAGCAAAACGAGACATTTCTTCAATAAATGGAACAGATTTCCATCATAGGACCCATTCG 2579
 QY 1620 TCTGAAAGGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGAT 1679
 Db 2580 TCTGAAAGGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGATGAGAT 2639
 QY 1680 AGAAACTCCAAACGAGCTTTTCAACAGTGTGATCTGTTTCTTCAATGTTTCTAGCTCT 1739
 Db 2640 AGAAACTCCAAACGAGCTTTTCAACAGTGTGATCTGTTTCTTCAATGTTTCTAGCTCT 2699
 QY 1740 GAATGTGTGATGATGAGACATCACTGATGAGGCTTTTGAATCAAGGGGAGACTA 1799
 Db 2700 GAATGTGTGATGATGAGACATCACTGATGAGGCTTTTGAATCAAGGGGAGACTA 2759
 QY 1800 CAATATACAGAGTGTGAGACTTATTAACAGGTCCTCAACCTAAGTGTGAGACATGTTT 1859

Db 2760 CAATATACAGAGTGTGAGACTTATTAACAGTGTGAGACTTATTAACAGTGTGAGACTTATTT 2819
 QY 1860 CTCAGGATGCCAAAGAAATGCTACCTGCTGGCTACACATATTAATGAATGAAGAA 1919
 Db 2820 CTCAGGATGCCAAAGAAATGCTACCTGCTGGCTACACATATTAATGAATGAAGAA 2879
 QY 1920 GGGCTGAAAGTGTGAGACACACAGGCTGTGATGTCAAAAAA 1957
 Db 2880 GGGCTGAAAGTGTGAGACACACAGGCTGTGATGTCAAAAAA 2917

RESULT 3

US-09-902-775A-189
 ; Sequence 189, Application US/09902775A
 ; Patent No. 6686451
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Inc
 ; APPLICANT: Baton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth, J.
 ; APPLICANT: Kljavin, Ivar J.
 ; APPLICANT: Machner, Jennie P.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas P.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tunas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; FILE REFERENCE: 10466-14
 ; CURRENT APPLICATION NUMBER: US/09/902,775A
 ; CURRENT FILING DATE: 2001-07-10
 ; PRIOR APPLICATION NUMBER: PCT/US00/04414
 ; PRIOR FILING DATE: 2000-02-22
 ; PRIOR APPLICATION NUMBER: US 60/143,048
 ; PRIOR FILING DATE: 1999-07-07
 ; PRIOR APPLICATION NUMBER: US 60/145,698
 ; PRIOR FILING DATE: 1999-07-26
 ; PRIOR APPLICATION NUMBER: US 60/146,222
 ; PRIOR FILING DATE: 1999-07-28
 ; PRIOR APPLICATION NUMBER: PCT/US99/20594
 ; PRIOR FILING DATE: 1999-09-08
 ; PRIOR APPLICATION NUMBER: PCT/US99/20944
 ; PRIOR FILING DATE: 1999-09-13
 ; PRIOR APPLICATION NUMBER: PCT/US99/21090
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/21547
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/23089
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: PCT/US99/28214
 ; PRIOR FILING DATE: 1999-11-29
 ; PRIOR APPLICATION NUMBER: PCT/US99/28313
 ; PRIOR FILING DATE: 1999-11-30
 ; PRIOR APPLICATION NUMBER: PCT/US99/28564
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095

QY 597 GATTTCTAGAAATAGACAAACAGTGCAGAAATTTGATTTCTGCAATCTATGATGGCC 656
Db |||||||
441 GATTTCTAGAAATAGAC-AAACAGTGCAGAAATTTGATTTCTGCAATCTATGATGG-CC 497
QY 657 CTCACCACTCTGGCCTGAT 677
Db |||||||
498 CTCACCACTCTGGCCTGAT 518

RESULT 6

US-08-470-350B-1
; Sequence 1, Application US/08470350B
; Patent No. 5684126
; GENERAL INFORMATION:
; APPLICANT: Li, Xiao
; APPLICANT: Snyder, Solomon H
; TITLE OF INVENTION: Ebnerin: A Secreted von Ebner's Gland
; TITLE OF INVENTION: Protein Associated with Taste Buds
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Witcoff, Ltd.
; STREET: 1001 G Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/470,350B
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Wolfe, Susan A
; REGISTRATION NUMBER: 33,568
; REFERENCE/DOCKET NUMBER: 01107.48790
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4360 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Rattus rattus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 94..3963
US-08-470-350B-1
Query Match 8.4%; Score 164.6; DB 1; Length 4360;
Best Local Similarity 49.4%; Pred. No. 3.4e-41;
Matches 583; Conservative 0; Mismatches 569; Indels 27; Gaps 5;
QY 463 TGTGGCGGTACCTGGATACCTTGGAGGATCCTTCACCAGGCCCAATTCACCAAGCCG 522
Db |||||||
2605 TGTGGAGGTTCTGACTGACTCTCTGGCAATTTCTAGCCCATACTACCTGGGAGC 2664
QY 523 CATCTGACCTGGCTATTGTGTGGACATACAGTGGAGGAGAAAGATACAGATATAA 582
Db |||||||
2665 TATCTTAATATGCCAGATGTTTGTGGAACTTGAAGTCCCAACCACTACCGGTGACT 2724
QY 583 CTAACTCAAGAGATTTCTCTAGAAATAGACAAACAGTGCAGAAATTTGATTTCTGCC 642
Db |||||||
2725 GTGGTCTCAGAGATGTGAGCTGGNAGGGGC-----TGCACTATGACTATATAGAG 2778

QY 643 ATCTATGATGGCCCTCCACCACTCTGGCCTGATTGACCAAGTCTGTGGCGCGTGTGACT 702
Db |||||||
2779 ATTTTGTATGGCCCCCACCACAGTTCACTCTCATTTGCCGGGTTTGTGATGGGCCCATG 2838
QY 703 CCACCTTCGAATCGTCATCAAACTCTCTGACTCTGTGTGTTGTCTACAGATATATCCCAAT 762
Db |||||||
2839 GGCTCTTTCACCTCAACATCCAACTTCATGTCTGCTGCTTCCACCACTGATCACAAGTGT 2898
QY 763 TCTTACCGGGGATTTCTGCTTCTACACCTCAATTTATGCAAAAACATCAACACTACA 822
Db |||||||
2899 ACTCGAAGAGGGTTCCGGCTGACTACTACTACAGCTTTGACAAATATACCACTATCTC 2958
QY 823 TCTTTAACTTGCTCTTCTGACAGGATGAGTTATATAAGCAAAATCTCTACCTGAGGCT 882
Db |||||||
2959 CTTTGTCTGCTCAAAATCACATGAGAGCCAGTGTGACGAGAGCTACTCTTCAGTCCATGGC 3018
QY 883 TTTTAACTCTAAATGGGAATAACTT-----GCAACTAAAGACCCAACTTTCAGACCA 933
Db |||||||
3019 TACTCTCCAGGATCTTGTCTATCTCTGGTTGGAAGTGAGTTACAGTGTGAGCTCAG 3078
QY 934 AAATTATCAAAATGTTGTGGAAATTTCTGTCCCTCTTAATGGATGGTACAAATCAAGAAG 993
Db |||||||
3079 ATAAACAAGGGAGGTCTATTTCAAAATTCCTACACAGGCTGCGGTACTACCAAAACAG 3138
QY 994 GTAGAAGATCAGTCAATTTACTTACACCAATATAATCACCTTTTCTGCATCTCTCAACTTCT 1053
Db |||||||
3139 GCTGACAAGAGACCACTCACTCCAACTTCTCTCAAGCGGCTGTTT-----CAAAAT 3192
QY 1054 GAAGTGATCACCCGTCAGAAAACAACTCCAGATATTTGTGAAGTGTGAAATGGGACATAT 1113
Db |||||||
3193 GGCATCATCAAAAGGAGAAAGGATCTCCACATCCATGTCAGCTGCAAGATGCTTCAGAAC 3252
QY 1114 TCTACAGTGGAGATATATATACATACAGAGATGATGTAATAAAGTCAAAATGCACTG 1173
Db |||||||
3253 ACCTGGGTCAACACCATGTACATCAACCAACACAGTCGAGATCCAGAAAGTCAGTAT 3312
QY 1174 GGCAATATAACACACAGATGCTCTTTTGAATCCAATTTCAATTTGAAAGACTATACTT 1233
Db |||||||
3313 GGCAATTTTGAAGTGAATATTTCTTTTATACATCTCTCTCTTCTTGTATCCAGTGACC 3372
QY 1234 GAATCACTATTTATGTGGATTTGAACCAAACTCTTTTGTGTTTCAAGTGTGTCGACACC 1293
Db |||||||
3373 AGCAGGCCATATTTATGTGGATCTGGACCAAGATTTGTACCTTCAGGCCGAGTCTCTCCAT 3432
QY 1294 TCAGATCCAAATTTGGTGGTGTCTTCTGATACCTGTAGAGCCTCTCC---CACCTCTGAC 1350
Db |||||||
3433 TCGATACCTCTTTGGCTCTGTTTGGACACCTGTGGCTTCCCAATCCCAATGAC 3492
QY 1351 TTTGCACTCTCCAACTCAACCTTAATCAAGATGGATGTAGTCGAGATGAAACTTTGTAAAG 1410
Db |||||||
3493 TTCTCGCTTTGACATATGATCTCATCAGAGTGGATGTCATACGAGATGAAACTTTACCAA 3552
QY 1411 GTGTATCCCT---TATTTGGACACTATGGAGATTCAGTTTAAATGCTTTAAATTTCTG 1467
Db |||||||
3553 TCTTACTCTCGCCTCACACGCACTACCCGCTTTAAATTCAGTTCTTTCCACTTCCGT 3612
QY 1468 AGAAGTATGAGCTCTGTATCTGCAAGTGTAAAGTTTGTATATGTGATAGCAGTACCAAC 1527
Db |||||||
3613 AACCGCTTCCCTCAGTATACCTACAGTAACTGGTGGTTTTCGAGCAACAGATGTC 3672
QY 1528 CAGTCTGGTGCATCAAGGTTGTCTCCAGAGCAACACGAGACATTTCTTCATATATAA 1587
Db |||||||
3673 TCCTCAAGTGTCTACAGAGGATGTGTAGTAAGGTCCAGAGGGATGTAGGCTCTTACCAA 3732
QY 1588 TGAAAACAGATTTCCATCATAGACCCATTCTGCTGAAA 1626
Db |||||||
3733 GAAAAGTGTGATGTTCTTCTGGAGCCCATCCAGTTGCAA 3771

RESULT 7

US-08-700-575-39
; Sequence 39, Application US/08700575

Patent No. 5817479
GENERAL INFORMATION:
APPLICANT: Au-Young, Janice
APPLICANT: Bandman, Olga
APPLICANT: Hawkins, Phillip R.
APPLICANT: Wilde, Craig G.
TITLE OF INVENTION: NOVEL HUMAN KINASE HOMOLOGS
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/08/700,575
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: BILLINGS, LUCY J
REGISTRATION NUMBER: 36749
REFERENCE/DOCKET NUMBER: SP-100 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 167 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
LIBRARY: Pancreas
CLONE: 223163
US-08-700-575-39
Query Match 7.9%; Score 156; DB 1; Length 167;
Best Local Similarity 99.4%; Pred. No. 2e-39;
Matches 167; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
QY 830 CTGTGCTCTCTGACAGGATGAGAGTTATTATAGCAAAATCCTACCTAGAGGCTTTTAACT 889
Db 1 CTGTGCTCTCTGACAGGATGAGAGTTATTATAGCAAAATCCTACCTAGAGGCTTTTAACT 60
QY 890 CTAATGGGAATAACTTGCACCTAAAGACCCAACTTGCAGACCAAAATTTATCAAAATGTTG 949
Db 61 CTAATGGGAATAACTTGCACCTAAAGACCCAACTTGCAGACCAAAATTTATCAAAATGTTG 120
QY 950 TGGAAATTTCTGTCCTCTTAATGGATGTTGATCAATCAGAAAGGTAG 997
Db 121 TGG-ATTTCTGCTCTCTTAATGGATGTTGATCAATCAGAAAGGTAG 167
RESULT 8
US-09-976-594-272
Sequence 272 Application US/09976594
Patent No. 6673549
GENERAL INFORMATION:
APPLICANT: Futnness, Michael
APPLICANT: Buchbinder, Jenny
TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
FILE REFERENCE: PA-0041 US
CURRENT APPLICATION NUMBER: US/09/976,594
CURRENT FILING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: 60/240,409
PRIOR FILING DATE: 2000-10-12

NUMBER OF SEQ ID NOS: 1143
SOFTWARE: PERL Program
SEQ ID NO 272
LENGTH: 5943
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. 6673549 238660.5
US-09-976-594-272
Query Match 6.3%; Score 124.4; DB 4; Length 5943;
Best Local Similarity 48.1%; Pred. No. 2.2e-28;
Matches 578; Conservative 0; Mismatches 576; Indels 48; Gaps 6;
QY 462 CTGTGGCGTTTACCTGGATACCTTTGGAAGGATCCTTTACCAGCCCCCAATTACCCAAAGCC 521
Db 4385 CTGGGAGGCTTCTATCCCAACCATCAGGGGACTTTTCAGGCCATTCTATCCGGGAA 4444
QY 522 GCATCTTGAGCTGCTTATTGTGTGGGCACATACAGTGGAGAAAGATTACAGATAA 581
Db 4445 CTATCCAAACAATGCCAAGTGTGTGGGACATTGAGGTGCAAAACAATCCGTGTGAC 4504
QY 582 ACTAAACTTCAAAGAGATTTCCTAGAAATAGACAAACAGTGCATAATTTGATTTCTTGC 641
Db 4505 TGTGATCTTCAGAGATGCTCCAGCTTGAAGTGC-----TGCAACTATGATTATTGA 4558
QY 642 CATCTATGATGGCCCTCCACCAACTCTGGCCTGATTTGACAAAGTCTGGCCGTGTGAC 701
Db 4559 AGTTTTCGATGGCCCTTACCGCAGTTCCCTCTCATTTGTCGAGTTTGTGTGGGCCAG 4618
QY 702 TCCCACTTCGAATCGTGCATCAAACTCTCTGACTGTCTGTGTGTCTACAGATTATGCCAA 761
Db 4619 AGGCTCCTTCACTTCTTCTCCAACTTCATGTCATTCATCAGTGCACAGCAT 4678
QY 762 TTCTTACCGGGATTTTCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 821
Db 4679 CACAAGGAGAGGTTCCGGGCTGAGTACTCTCAGTCCCTCCAAATGACAGACCAACCT 4738
QY 822 ATCTTTAACTTGTCTTCTTCTGACAGGATGAGATTATTATAAGCAATCTCTACCTAGAGC 881
Db 4739 GCTCTGTCTGCAATCACAATGCAAGCAGTGTGACAGAGGATCTCTCAATCTCTGGG 4798
QY 882 TTTTAACTCTAATGGGAAT-----AACTTGCACCTAAAGACCCCAACTTTCAGACC 932
Db 4799 CTCTTCTGCGAGTGACCTTGTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 4858
QY 933 AAAATTATCAATGTTGTGGAAATTTTCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 992
Db 4859 GATAACGCCGAACCTGGTGATATTCAATTCCTCTACTCAGGCTGGGGCACTTCAAGCA 4918
QY 993 GGTAGAAGATCAGTCAATTACTTTACACCAATATAATCACCTTTTCTGCACTCTTCAACTTC 1052
Db 4919 GGCAGACAATGACACCATCGACTATTCCAACTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 4972
QY 1053 TGAAGTGAATCAGCGTCAGAAACAATCCAGATATTGTGAAGTGTGAATGGGATGA 1112
Db 4973 TGGCATCATCAAGAGGAGGACAGACCTCCGTATTTCAGTCACTGAGCTGAGAAATGTTTCA 5032
QY 1113 TTCTACAGTGGAGATAATATACATAACAGAAAGATGATGTAATAACAAAGTCAAAATGCACT 1172
Db 5033 CACCTGGGTGACACCATGTACATTGCTAATGACACCATCCAGCTTCTTCTTCTTCTTCTTCTTCT 5092
QY 1173 -----GGGCAATATATACACAGCATGGCTCTTTTGTGAATCAA 1211
Db 5093 CCAGGTCAGGAAAGTCCAGTATGGCAATTTTGAAGTGAATTTCTTCTTCTTCTTCTTCTTCTTCT 5152
QY 1212 TTCAATTTGAAAGACTATATCTTGAATCACCATATTGTGATTTGTGATTTGAACCAAACTCTTTT 1271
Db 5153 ATCTTTCTTGTATCTTGTGACCGCCCTTACTAGTGGACCTGACAGGACTTGTGA 5212
QY 1272 TGTTCAGATTAGTCTGCACACCTCAGATCCAAATTTGGTGGTGTCTTCTTCTTCTTCTTCTTCT 1331

EARLIER APPLICATION NUMBER: PCT/DE98/00096

EARLIER FILING DATE: 1998-01-09

NUMBER OF SEQ ID NOS: 12

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 2

LENGTH: 2001

TYPE: DNA

ORGANISM: Homo sapiens

US-09-341-587-2

Query Match 3.7%; Score 73.4; DB 4; Length 2001;

Best Local Similarity 51.0%; Pred. No. 1.5e-12; Indels 0; Gaps 0;

Matches 173; Conservative 0; Mismatches 166; Indels 0; Gaps 0;

QY 456 TCAAACTGGCGGTACTCGATACCTTGAAGGATCTTCAACAGCCCAATACCC 515

Db 555 TCAAAATGGTGGCTTCTTATCTATCCAGTGGCACTTCCAGCCCATCTACCC 614

QY 516 AAGCCGCATCTGAGCTGCTTATTTGTGTGGCACATACAGTGGAGAAATACAA 575

Db 615 TGCATACCTCCCAACAAATGCTAAGTGTGTTTGGGAAATAGAGTGAATCTTGTTATCG 674

QY 576 GATAAACTAACTTCAAGAGATTTTCTAGAAATAGACAAACAGTGCATAATTTGATTT 635

Db 675 CATAACTGGGCTTCAGTAATCTGAATTTGGAGGCACACCACTGAGTTTGATTA 734

QY 636 TCTTGCATCTATGATGGCCCTCCACCACTCTGGCTGTGATGACAAAGTCTGTGGCGG 695

Db 735 TGTGAAATCTTTGATGGATCATTAATAGCAGTCTCTCTGCTGGGAAATCTGTAATGA 794

QY 696 TGTGACTCCACCTTCGAATCTCATCAACTCTCTGACTGTCGTGTTGCTACAGATTA 755

Db 795 TACCAGGCAATATTACATCTTCTACAAACGAATGACCATTCATTCGAAATGACAT 854

QY 756 TGCAAATCTTACCGGGATTTCTGCTTCCTACACCTC 794

Db 855 CAGTTTCCAAAACACTGGCTTTTGGCTTGGTATAACTC 893

RESULT 11

US-09-341-461-1

Sequence 1, Application US/09341461.

Patent No. 6586389

GENERAL INFORMATION:

APPLICANT: Hammond, Timothy G.

APPLICANT: Verroust, Pierre J.

TITLE OF INVENTION: Cubilin Protein, DNA Sequences Encoding Cubilin

FILE REFERENCE: D6148

CURRENT APPLICATION NUMBER: US/09/341,461

EARLIER FILING DATE: 2000-07-20

PRIOR APPLICATION NUMBER: PCT/US99/01259

PRIOR FILING DATE: 1999-01-21

NUMBER OF SEQ ID NOS: 40

SEQ ID NO 1

LENGTH: 11272

TYPE: DNA

ORGANISM: rat

FEATURE:

OTHER INFORMATION: nucleic acid sequence of rat cubilin

US-09-341-461-1

Query Match

Best Local Similarity 3.3%; Score 65; DB 4; Length 11272;

Matches 180; Conservative 0; Mismatches 165; Indels 6; Gaps 1;

QY 463 TGTGGCGGTACTCGATACCTTGAAGGATCTTCAACAGCCCAATACCCAAAGCG 522

Db 7354 TGTGGTGGGATTTACATGGCCCTACTGGCACATTTACTTCTCCCACTACCCAAACCA 7413

QY 523 CATCCTGAGCTGGCTTATTTGTGTGGCACATACAAAGTGGAGAAAGATTACAGATAAA 582

Db 7414 AATCCTCATGCCCGGATCTGTAGTGGACGATCACTGTACAAAGAGGCGGATCGTC 7473

QY 583 CTAAACTTCAAAGAGATTTTCTAGAAATAGACAAACAGTGCATAATTTGATTTCTGCC 642

Db 7474 CTGACGTTTACCACTTGGAGCTGAGTACCAGCATCTTGTAAAGTACAGTACCTCATC 7533

QY 643 ATCTATGATGGCCCTCCACCACTCTGGCTGTGATGACAAAGTCTGTGGCGGTGACT 702

Db 7534 GTATTCAATGGCATTTAGAGCAACTCGCCCTTACTACAGAACTGTGAGCGCGTGTGAAT 7593

QY 703 CCACCC-----TTGCAATCGTCATCAAACTCTCTGACTGTGCTGTCTTCTACAGATTAT 756

Db 7594 GTGACCAATGAATTCAAATCTTCAGAAACACCAATGAAGTGTATTTTCTACATGATGC 7653

QY 757 GCAATTTCTTACCGGGATTTTCTGTTCTCTACACTCTCAATTTATGAGAA 807

Db 7654 TCCCGCCCGTATGAGGCTTCTACTGTTCTTCTACACTCTTACTGAGATGCA 7704

RESULT 12

US-09-341-587-7

Sequence 7, Application US/09341587

Patent No. 6346606

GENERAL INFORMATION:

APPLICANT: Mollenhauer, Jan

TITLE OF INVENTION: Protein Containing an SRCR Domain

FILE REFERENCE: 4124-108

CURRENT APPLICATION NUMBER: US/09/341,587

EARLIER FILING DATE: 1999-08-31

EARLIER APPLICATION NUMBER: PCT/DE98/00096

NUMBER OF SEQ ID NOS: 12

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 7

LENGTH: 28720

TYPE: DNA

ORGANISM: Homo sapiens

US-09-341-587-7

Query Match

Best Local Similarity 2.9%; Score 56.6; DB 4; Length 28720;

Matches 110; Conservative 0; Mismatches 89; Indels 0; Gaps 0;

QY 1429 CACTATGGGAGATTCAGTTTAAATGCTTTAAATCTTGAAGATAGAGTCTCTGTAT 1488

Db 28072 CGCAATGGCCGCTTCCGGTTTCAGGGCTTCCACTTCTCCGAAACCGCTTCCCTCCCTGTAC 28131

QY 1489 CTCAGTGTAAAGTTTGTATGTGATAGCAGTGACCAACAGTCTCGTCAATCAAGT 1548

Db 28132 CTGCTGTAAATGTGTGTGTCGAGAGGTATGACCCCTCTTCCGCTCTACCGAGGC 28191

QY 1549 TGTGTCTCCAGAGCAACAGACATTTCTTATATAATGGAAGAAACAGATTCCATCAT 1608

Db 28192 TGTGTGTGAGGTGCAAGAGGATGTGGCTCTCTACAGAAAGAGTGCAGCTCGTCTCTG 28251

QY 1609 GACCCCATTCGTCTGAAA 1627

Db 28252 GGTCCATCCAGCTGAGA 28270

RESULT 13

US-09-285-385C-1

Sequence 1, Application US/09285385C

Patent No. 6579702

GENERAL INFORMATION:

APPLICANT: Greenspan, Daniel S.

APPLICANT: Scott, Ian C.

APPLICANT: Thomas, Christina L.

TITLE OF INVENTION: MAMMALIAN TOLL- LIKE GENE AND PROTEIN

FILE REFERENCE: 960296.96111

CURRENT APPLICATION NUMBER: US/09/285,385C

EARLIER FILING DATE: 1999-04-02

PRIOR APPLICATION NUMBER: 60/111873

PRIOR FILING DATE: 1998-12-11

Db 768 GTGAAGTTTGACGTTTTTTGAATTGGAAGCAATGAAGTTTCACAAATATGATTATGTGGAG 827
QY 643 ATCTATGATGGCCCTCCACCAACTCTGGCCTGATTTGGACAAGTCTGTGSCCGTG 697
Db 828 ATCTGGAGTGGTCTTTCTCTGAGTCTAAACTGCAATGGCAAAATCTGTGGCGCTG 882

Search completed: February 18, 2004, 13:36:40
Job time : 144.901 secs

[REDACTED]

[REDACTED]

1

QY 181 TGGACATAGAAAGACGAGAAACAAAGCATCAGAAATATCTTTTCTTCTATGTCCAGCTT 240
 Db 181 TGGACATAGAAAGACGAGAAACAAAGCATCAGAAATATCTTTTCTTCTATGTCCAGCTT 240
 QY 241 GATCCAGATGGAAGCTGTGAAAGTGAAACATTTAAAGTCTTTGACGGAACTCTCAGCAAT 300
 Db 241 GATCCAGATGGAAGCTGTGAAAGTGAAACATTTAAAGTCTTTGACGGAACTCTCAGCAAT 300
 QY 301 GGGCTCTGCTAGGCAAGTCTGAGTAAAGCACTATGTTCTTCTATGTGAATCATCA 360
 Db 301 GGGCTCTGCTAGGCAAGTCTGAGTAAAGCACTATGTTCTTCTATGTGAATCATCA 360
 QY 361 TCCAGTACATGAGCTTTCAAAATAGTACTGAGTCAAGAAATCAAGAACTGTCTTT 420
 Db 361 TCCAGTACATGAGCTTTCAAAATAGTACTGAGTCAAGAAATCAAGAACTGTCTTT 420
 QY 421 GTCTTCTACTACT 480
 Db 421 GTCTTCTACTACT 480
 QY 481 ACCTTGAAGATCTTCCAGCCCAATTTACCCAAAGCCGCAATCTTGAGCTGGCTTAT 540
 Db 481 ACCTTGAAGATCTTCCAGCCCAATTTACCCAAAGCCGCAATCTTGAGCTGGCTTAT 540
 QY 541 TGTGTGGCACATACAGTGGAGAAATTAAGATTAAGATTAAGATTAAGATTAAGATTA 600
 Db 541 TGTGTGGCACATACAGTGGAGAAATTAAGATTAAGATTAAGATTAAGATTAAGATTA 600
 QY 601 TTCTAGAAATAGCAAAACAGTCAAAATTTGATTTCTTGCCATCTATGATGGCCCTCC 660
 Db 601 TTCTAGAAATAGCAAAACAGTCAAAATTTGATTTCTTGCCATCTATGATGGCCCTCC 660
 QY 661 ACCAATCTGGCTGATTTGGACAAAGTCTGGCGGTGAGTCCCACTTCGAACTGCTCA 720
 Db 661 ACCAATCTGGCTGATTTGGACAAAGTCTGGCGGTGAGTCCCACTTCGAACTGCTCA 720
 QY 721 TCAAACTCTCTGACTGTCTGTTGTCTACAGATTAAGCAATTTCTTACCGGGATTTCT 780
 Db 721 TCAAACTCTCTGACTGTCTGTTGTCTACAGATTAAGCAATTTCTTACCGGGATTTCT 780
 QY 781 GCTTCTTACACCTTCAATTTATGAGAAACATCAACACTTACATCTTTTAACTTCTTCT 840
 Db 781 GCTTCTTACACCTTCAATTTATGAGAAACATCAACACTTACATCTTTTAACTTCTTCT 840
 QY 841 GACAGATGAGATTTATTAAGCAAACTCTACCTAGAGGCTTTTAACTTAAATGGGAAT 900
 Db 841 GACAGATGAGATTTATTAAGCAAACTCTACCTAGAGGCTTTTAACTTAAATGGGAAT 900
 QY 901 AACTTGCACTAAAGACCAACTTGCAGACCAAAATTAATCAAAATGTTGTGGAATTTCT 960
 Db 901 AACTTGCACTAAAGACCAACTTGCAGACCAAAATTAATCAAAATGTTGTGGAATTTCT 960
 QY 961 GTCCCTCTTAATGGATGGGTACAATCAGAAAGGTAGAAATCAGTCAATTTACTTACACC 1020
 Db 961 GTCCCTCTTAATGGATGGGTACAATCAGAAAGGTAGAAATCAGTCAATTTACTTACACC 1020
 QY 1021 AATATAATCACTTTTCTGATCTCTCAATCTTCTGAAAGTATCAACCCGTGAGAACTC 1080
 Db 1021 AATATAATCACTTTTCTGATCTCTCAATCTTCTGAAAGTATCAACCCGTGAGAACTC 1080
 QY 1081 CAGATTTATGAGTGTGAATGGGACATTAATTTCTAGTGGAGATTAATATACATACA 1140
 Db 1081 CAGATTTATGAGTGTGAATGGGACATTAATTTCTAGTGGAGATTAATATACATACA 1140
 QY 1141 GAAGATGATTAATACAAAGTCAAAATGCACTGGGCAAAATATAACACAGATGGCTCTT 1200
 Db 1141 GAAGATGATTAATACAAAGTCAAAATGCACTGGGCAAAATATAACACAGATGGCTCTT 1200
 QY 1201 TTTGAATCCAAATTTGAAAGATTAATTTGAAATCACCATTAATTTGAGATTTGAAAC 1260
 Db 1201 TTTGAATCCAAATTTGAAAGATTAATTTGAAATCACCATTAATTTGAGATTTGAAAC 1260
 QY 1261 CAAACTCTTTTCTGCTCAAGTCTGCTGACACCTCAGATCCAAATTTGCTGCTGTTCTT 1320

Db 1261 CAAACTCTTTTCTGCTCAAGTCTGCTGACACCTCAGATCCAAATTTGGTGTGTTCTT 1320
 QY 1321 GATACCTCTAGAGCTCTCCACCTCTGACTTTGGCATCTCCAACTACGACCTTAATCAAG 1380
 Db 1321 GATACCTCTAGAGCTCTCCACCTCTGACTTTGGCATCTCCAACTACGACCTTAATCAAG 1380
 QY 1381 AGTGAATGATGATGAGATGAAATCTGTAAGGTGATCCCTTATTTGGACACTATGGAGA 1440
 Db 1381 AGTGAATGATGATGAGATGAAATCTGTAAGGTGATCCCTTATTTGGACACTATGGAGA 1440
 QY 1441 TTCCAGTTTAATGCTTTTAAATTTCTGAGAAGTATGAGCTCTCTGATCTGCAAGTATAA 1500
 Db 1441 TTCCAGTTTAATGCTTTTAAATTTCTGAGAAGTATGAGCTCTCTGATCTGCAAGTATAA 1500
 QY 1501 GTTTTGATATGATGAGTGAACCTGACCACTGCTGCTGCAATCAAGTGTGTCTCCAGA 1560
 Db 1501 GTTTTGATATGATGAGTGAACCTGACCACTGCTGCTGCAATCAAGTGTGTCTCCAGA 1560
 QY 1561 AGCAAAACGAGATTTCTTCAATTAATGAAACAGATTTCCATCATAGAACCTATTCCT 1620
 Db 1561 AGCAAAACGAGATTTCTTCAATTAATGAAACAGATTTCCATCATAGAACCTATTCCT 1620
 QY 1621 CTGAAAAGGGATCGAAGTGGCAATTTCAAGATTTTCCAGATGAAACACATGCGGAA 1680
 Db 1621 CTGAAAAGGGATCGAAGTGGCAATTTCAAGATTTTCCAGATGAAACACATGCGGAA 1680
 QY 1681 GAAACTCAAAACGAGCTTTTCAAGTGTGCAATCTGTTTCTTCTGATGTTCTGCTCTG 1740
 Db 1681 GAAACTCAAAACGAGCTTTTCAAGTGTGCAATCTGTTTCTTCTGATGTTCTGCTCTG 1740
 QY 1741 AATGTGTGACTGTAGTGGCAATCAAGTGGGCAATTTGTAATCAACGGGCACTAC 1800
 Db 1741 AATGTGTGACTGTAGTGGCAATCAAGTGGGCAATTTGTAATCAACGGGCACTAC 1800
 QY 1801 AATAACGAGAGCTGCGAATTAATTAACAGGTCCAACTTAAAGTGAAGATGTTTC 1860
 Db 1801 AATAACGAGAGCTGCGAATTAATTAACAGGTCCAACTTAAAGTGAAGATGTTTC 1860
 QY 1861 TCCAGATGCCAAAGGAAATGCTACCTCTGCTGCTACACATATTAATGAATTAAGGAAG 1920
 Db 1861 TCCAGATGCCAAAGGAAATGCTACCTCTGCTGCTACACATATTAATGAATTAAGGAAG 1920
 QY 1921 GGCCTGAAAGTGAACACAGGCTTGCATGTCAAAATTAATGAATTAAGGAAG 1966
 Db 1921 GGCCTGAAAGTGAACACAGGCTTGCATGTCAAAATTAATGAATTAAGGAAG 1966

RESULT 2
 US-09-909-320-189
 Sequence 189 Application US/09909320
 Patent No. US20020132240A1
 GENERAL INFORMATION:
 APPLICANT: Genentech, Inc.
 APPLICANT: Ashkenazi, Avi
 APPLICANT: Botstein, David
 APPLICANT: Desnoyers, Luc
 APPLICANT: Eaton, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, A.
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth, J.
 APPLICANT: Kijavir, Ivar J.
 APPLICANT: Mather, Jennie P.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas P.

360 ATCCAGTACATTGACGTTTCAATAGTCTTACTGACTCAGCAAGAAATCAAGAACTGTCTT 419
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1320 ATCCAGTACATTGACGTTTCAATAGTCTTACTGACTCAGCAAGAAATCAAGAACTGTCTT 1379
QY
420 TGTCTTCTACTACTTCTTCTTCTTAACTCTTATCTTCAAACTGTGGGGTTACTGGA 479
Db
1380 TGTCTTCTACTACTTCTTCTTCTTAACTCTTATCTTCAAACTGTGGGGTTACTGGA 1439
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Db
1440 TACTTTGGAAGGATCTTCAACAGCCCAATTAACCAAGCCGCACTCTTCAAGCTGCTT 1499
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540 TTGTGTGGGCAATCAAGAGTGGAGAAAGATTAAGAGATAAATCAAACTTCAAGAGAT 599
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Db
1560 TTTCCTAGAAATAGACAAACAGTGAATTTTCTTGGCACTTATGATGGCCCTTC 1619
QY
660 CACCAACTCTGGCTGANTGGAACAAGTCTGTGGCCGTGTGACTCCACCTTCAAGATCGTC 719
Db
1620 CACCAACTCTGGCTGANTGGAACAAGTCTGTGGCCGTGTGACTCCACCTTCAAGATCGTC 1679
QY
720 ATCAAACTCTGACTGCTGCTGTGCTACAGATTATGCAATTTCTTACCGGGATTTTC 779
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1680 ATCAAACTCTGACTGCTGCTGTGCTACAGATTATGCAATTTCTTACCGGGATTTTC 1739
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780 TGCTTCTTACACCTCAATTTATGAGAAACATCAACACTTCAATTTTAACTTGTCTTTC 839
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1740 TGCTTCTTACACCTCAATTTATGAGAAACATCAACACTTCAATTTTAACTTGTCTTTC 1799
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840 TGACAGATGAGATTAATTAAGCAATCTTACCTAGAGCTTTTAACTTCAATGCGGAA 899
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900 TAACTTCAATTAAGGACCACTTGCAGACCAAAATTAATCAATTTTGTGGAATTTTC 959
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1860 TAACTTCAATTAAGGACCACTTGCAGACCAAAATTAATCAATTTTGTGGAATTTTC 1919
QY
960 TGTCCCTCTTAATGGATGGTACAAATCAGAAAGGTAGAAGTCAATTAATTTACAC 1019
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1920 TGTCCCTCTTAATGGATGGTACAAATCAGAAAGGTAGAAGTCAATTAATTTACAC 1979
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1020 CAATTAATCACTTTTCTGCTCCTCAACTTCTGAAGTGTATCAACCGTCAAGAACT 1079
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1980 CAATTAATCACTTTTCTGCTCCTCAACTTCTGAAGTGTATCAACCGTCAAGAACT 2039
QY
1080 CCAGATTATGTGAAGTGTGAATGGGACATAATTTCTAGTGGAGATAATATACATAAC 1139
Db
2040 CCAGATTATGTGAAGTGTGAATGGGACATAATTTCTAGTGGAGATAATATACATAAC 2099
QY
1140 AGAAGATGATTAATCAAGATGCAATGCTGGCAATATAACACCAAGTGGCTCT 1199
Db
2100 AGAAGATGATTAATCAAGATGCAATGCTGGCAATATAACACCAAGTGGCTCT 2159
QY
1200 TTTTGAATCCAAATCAATTTGAAAGACATATCTTGAATCAACATTAATGTGGAATTTGAA 1259
Db
2160 TTTTGAATCCAAATCAATTTGAAAGACATATCTTGAATCAACATTAATGTGGAATTTGAA 2219
QY
1260 CCAAACTCTTTTGTTCAGATGCTGCTGACACCTCAGATCCAAATTTGGTGGTTTCT 1319
Db
2220 CCAAACTCTTTTGTTCAGATGCTGCTGACACCTCAGATCCAAATTTGGTGGTTTCT 2279
QY
1320 TGATACCTGTAGAGCTCTCCACCTCTGACTTTGCACTTCCAACTACGACCTTAATCAA 1379
Db
2280 TGATACCTGTAGAGCTCTCCACCTCTGACTTTGCACTTCCAACTACGACCTTAATCAA 2339
QY
1380 GAGTGGATGTAGTGAAGATGAATCTTGAAGTGTATCCCTTATTTGACACTATGGAG 1439
Db
2340 GAGTGGATGTAGTGAAGATGAATCTTGAAGTGTATCCCTTATTTGACACTATGGAG 2399
QY
1440 ATTCCAGTTTAAATGCTTTAAATTTCTTGAGAAGTATGAGCTCTGTATCTGCAAGTGA 1499

2400 ATTCCAGTTTAAATGCTTTAAATTTCTTGAGAAGTATGAGCTCTGTATCTGCAAGTGA 2459
QY
1500 AGTTTTGATATGATAGCAGTGCACCAAGTCTCCCTGCAATCAAGGTTGTCTCTCCAG 1559
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2460 AGTTTTGATATGATAGCAGTGCACCAAGTCTCCCTGCAATCAAGGTTGTCTCTCCAG 2519
QY
1560 AAGCAACGAGACATTTCTTATATATAATGGAAGAAAGATTCATCATAGGACCAATTCG 1619
Db
2520 AAGCAACGAGACATTTCTTATATATAATGGAAGAAAGATTCATCATAGGACCAATTCG 2579
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1620 TCTGAAAGGATGCAAGTGCAGCAATTCAGGATTTCAAGATTCAGCAATCAAGCAATTCG 1679
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2580 TCTGAAAGGATGCAAGTGCAGCAATTCAGGATTTCAAGATTCAGCAATCAAGCAATTCG 2639
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1680 AGAACTTCCAAACGAGCTTTTCAAGTGTGCAATCTGTTTTCTTCTGATGTTCTCT 1739
Db
2640 AGAACTTCCAAACGAGCTTTTCAAGTGTGCAATCTGTTTTCTTCTGATGTTCTCT 2699
QY
1740 GAATGCTGCTGCTGCTGAGCAATTCAGTGGGCAATTTTGTAAATCAACGGGCACTA 1799
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2700 GAATGCTGCTGCTGCTGAGCAATTCAGTGGGCAATTTTGTAAATCAACGGGCACTA 2759
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1800 CAATATCCAGAGCTGCAAGCTTAACTTAACTTAACTTAACTTAACTTAACTTAACTT 1859
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2760 CAATATCCAGAGCTGCAAGCTTAACTTAACTTAACTTAACTTAACTTAACTTAACTT 2819
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1860 CTCCAGATGCCAAGGAAATGCTTACCTGCTGCTACATATTTATGAATAATGAGGAA 1919
Db
2820 CTCCAGATGCCAAGGAAATGCTTACCTGCTGCTACATATTTATGAATAATGAGGAA 2879
QY
1920 GGGCTTGAAGTGTACACACAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1957
Db
2880 GGGCTTGAAGTGTACACACAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2917

RESULT 4

US-09-905-291A-189
; Sequence 189, Application US/09905291A
; Patent No. US20020160374A1

GENERAL INFORMATION:

APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/905,291A
CURRENT FILING DATE: 2001-07-12
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22

PRIOR APPLICATION NUMBER: PCT/US99/21090
 PRIOR FILING DATE: 1999-09-15
 PRIOR APPLICATION NUMBER: PCT/US99/21547
 PRIOR FILING DATE: 1999-09-15
 PRIOR APPLICATION NUMBER: PCT/US99/23089
 PRIOR FILING DATE: 1999-10-05
 PRIOR APPLICATION NUMBER: PCT/US99/28214
 PRIOR FILING DATE: 1999-11-29
 PRIOR APPLICATION NUMBER: PCT/US99/28313
 PRIOR FILING DATE: 1999-11-30
 PRIOR APPLICATION NUMBER: PCT/US99/28564
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/28565
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/30095
 PRIOR FILING DATE: 1999-12-16
 PRIOR APPLICATION NUMBER: PCT/US99/30911
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US99/30999
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US00/00219
 PRIOR FILING DATE: 2000-01-05
 NUMBER OF SEQ ID NOS: 423
 SEQ ID NO 189
 LENGTH: 2917
 TYPE: DNA
 ORGANISM: Homo Sapien
 US-09-907-824-189

Query Match 98.9%; Score 1944.4; DB 9; Length 2917;
 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 1956; Conservative 1; Indels 1; Gaps 1;

QY	1	CAAAATGGAGCTGTGAAGAGCTCATGCCATGACCTCTTAATCTCTCTCTTTGGC	60
DB	960	CAAAATGGAGCTGTGAAGAGCTCATGCCATGACCTCTTAATCTCTCTCTTTGGC	1019
QY	61	GGA-CTGCAATGGCGGAGCTGAAGGCAATCAAGCTGCACAGTCAGTCAGTGTAGGGGTGC	119
DB	1020	GGAGCTGCAATGGCGGAGCTGAAGGCAATCAAGCTGCACAGTCAGTCAGTGTAGGGGTGC	1079
QY	120	CAATATGGCAGAGACCCACAAAGCCATGATCTGCAACTCAATCCAGTGAGACTGCAC	179
DB	1080	CAATATGGCAGAGACCCACAAAGCCATGATCTGCAACTCAATCCAGTGAGACTGCAC	1339
QY	180	CTGGCAATAGAAAGACCAAGAAACAAAGCATCAGAAATTAATCTTCTATGTCAGCT	239
DB	1140	CTGGCAATAGAAAGACCAAGAAACAAAGCATCAGAAATTAATCTTCTATGTCAGCT	1199
QY	240	TGATCCAGATGGAAGCTGGAAGTGAAACATTAAGCTCTTGACGGAACCTCCAGAA	299
DB	1200	TGATCCAGATGGAAGCTGGAAGTGAAACATTAAGCTCTTGACGGAACCTCCAGAA	1259
QY	300	TGGGCTCTGTAGGCAAGCTGCGAGTAAACCAAGCATATGTTCTGTAATGAAATC	359
DB	1260	TGGGCTCTGTAGGCAAGCTGCGAGTAAACCAAGCATATGTTCTGTAATGAAATC	1319
QY	360	ATCCAGTACATTGACGTTTCAATAGTTACTGACATCAGCAAGATTCAGAAAGCTCTT	419
DB	1320	ATCCAGTACATTGACGTTTCAATAGTTACTGACATCAGCAAGATTCAGAAAGCTCTT	1379
QY	420	TGCTTTCTACTTCTCTCTTAACATCTCTATTCCTCAAGCTGTGGCGGTACCTTGA	479
DB	1380	TGCTTTCTACTTCTCTCTTAACATCTCTATTCCTCAAGCTGTGGCGGTACCTTGA	1439
QY	480	TACCTTGGAGGATCTTCCACAGCCCAATTAACCAAGCGCATCTGAGCTGGCTTA	539
DB	1440	TACCTTGGAGGATCTTCCACAGCCCAATTAACCAAGCGCATCTGAGCTGGCTTA	1499
QY	540	TTGTGTGGCACAACAAGTGGAGAGATTAAGATAAACTTAACTTCAAGAGAT	599
DB	1500	TTGTGTGGCACAACAAGTGGAGAGATTAAGATAAACTTAACTTCAAGAGAT	1559

QY	600	TTTCTCTAGAAATAGACAAACAGTGCATAATTTGATTTTCTTGCCATCTATGATGCGCCCTC	659
DB	1560	TTTCTCTAGAAATAGACAAACAGTGCATAATTTGATTTTCTTGCCATCTATGATGCGCCCTC	1619
QY	660	CACCAACTCTGGCCCTGATTTGGACAAGTCTGTGGCCGTTGACCTCCACCTTCCGAATCGTC	719
DB	1620	CACCAACTCTGGCCCTGATTTGGACAAGTCTGTGGCCGTTGACCTCCACCTTCCGAATCGTC	1679
QY	720	ATCAAACTCTCTGACATCTGCTGTGTTGTCTACAGATTATGCCAATCTTTACCGGGGATTTTC	779
DB	1680	ATCAAACTCTCTGACATCTGCTGTGTTGTCTACAGATTATGCCAATCTTTACCGGGGATTTTC	1739
QY	780	TGCTTCTCTACACCTCAATTTATGCAAAACATCAACACTACATCTTTAACTTGTCTCTTC	839
DB	1740	TGCTTCTCTACACCTCAATTTATGCAAAACATCAACACTACATCTTTAACTTGTCTCTTC	1799
QY	840	TGACAGAGTGAAGTATTATTAAGCAATCTTACCTAGAGGCTTTTAACTCTAATGGGAA	899
DB	1800	TGACAGAGTGAAGTATTATTAAGCAATCTTACCTAGAGGCTTTTAACTCTAATGGGAA	1859
QY	900	TAACTTGCACACTTAAAGACCCCACTTGCAGACCAAAATTAATCAATGTTGTGGAATTTTC	959
DB	1860	TAACTTGCACACTTAAAGACCCCACTTGCAGACCAAAATTAATCAATGTTGTGGAATTTTC	1919
QY	960	TGTCCTCTTAATGAGTGTGTGTACAAATCAGAAAGTGAAGATCACTCAATTTACAC	1019
DB	1920	TGTCCTCTTAATGAGTGTGTGTACAAATCAGAAAGTGAAGATCACTCAATTTACAC	1979
QY	1020	CAATATAATCACTTTTCTGCATCTCAACTTCTGAAGTATCACCCTGCAGAAACAACT	1079
DB	1980	CAATATAATCACTTTTCTGCATCTCAACTTCTGAAGTATCACCCTGCAGAAACAACT	2039
QY	1080	CCAGATTATTGGAAGTGTGAATGGGACATAATTTCTACAGTGGAGATTAATATACATAC	1139
DB	2040	CCAGATTATTGGAAGTGTGAATGGGACATAATTTCTACAGTGGAGATTAATATACATAC	2099
QY	1140	AGAAGATGATTAATCAAAAGTCAAAATGCACTGGGCAATATAACACAGCATGCTCT	1199
DB	2100	AGAAGATGATTAATCAAAAGTCAAAATGCACTGGGCAATATAACACAGCATGCTCT	2159
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DB	2160	TTTTGAATCCAAATCAATTTGAAGACTATCTTGATCACAATATATGTTGGATTTGAA	2219
QY	1260	CAAACTCTTTTCTCAAGTTAGTCTGCACTCAGATCCAAATTTGGTGGTGTCT	1319
DB	2220	CAAACTCTTTTCTCAAGTTAGTCTGCACTCAGATCCAAATTTGGTGGTGTCT	2279
QY	1320	TGATACCTGTAGAGCTCTCCACCTCTGACTTTGCACTCCAACTCAGCATATCAA	1379
DB	2280	TGATACCTGTAGAGCTCTCCACCTCTGACTTTGCACTCCAACTCAGCATATCAA	2339
QY	1380	GAGTGGATGATGAGATGAAACTTGTAAAGTGTATCCCTTATTTTGGACACTATGGGAG	1439
DB	2340	GAGTGGATGATGAGATGAAACTTGTAAAGTGTATCCCTTATTTTGGACACTATGGGAG	2399
QY	1440	ATTCAGTTTAAATCCCTTTAAATTTCTGAGAGTATGAGCTCTGCTATCTGCAAGTTAA	1499
DB	2400	ATTCAGTTTAAATCCCTTTAAATTTCTGAGAGTATGAGCTCTGCTATCTGCAAGTTAA	2459
QY	1500	AGTTTGTATGATGATGAGAGTGAACACCTGCTCCCTGCAATCAAGTTGTGTCTCCAG	1559
DB	2460	AGTTTGTATGATGATGAGAGTGAACACCTGCTCCCTGCAATCAAGTTGTGTCTCCAG	2519
QY	1560	AAGCAACGAGACATTTCTTATATAAATGGAACACAGATTCATATAGGACCCATTCG	1619
DB	2520	AAGCAACGAGACATTTCTTATATAAATGGAACACAGATTCATATAGGACCCATTCG	2579
QY	1620	TCTGAAAGGATGGAAGTGAAGTGCATTCAGATTTTCAAGATTTTCAAGATTTTCAAGAT	1679
DB	2580	TCTGAAAGGATGGAAGTGAAGTGCATTCAGATTTTCAAGATTTTCAAGATTTTCAAGAT	2639
QY	1680	AGAAACTCCAAACCAAGCTTTTCAACAGTGTGTCATCTGTTTCTTCTTCTATGTTCTAGCTCT	1739

QY 900 TAACTTGCACCTAAAGACCCAACTTTCAGACCAAAATTTATCAATGTTGTGGAAATTTTC 959
Db 1860 TAACTTGCACCTAAAGACCCAACTTTCAGACCAAAATTTATCAATGTTGTGGAAATTTTC 1919
QY 960 TGTCCCTCTTAATGAGTGTGTACAAATCAGAAAGTGAAGATCAGTCAATTAATCTTACAC 1019
Db 1920 TGTCCCTCTTAATGAGTGTGTACAAATCAGAAAGTGAAGATCAGTCAATTAATCTTACAC 1979
QY 1020 CAATATATCACTTTCTGCACTCTCACTTCTCAAGTGTATCCCTGTCAAGAACTACT 1079
Db 1980 CAATATATCACTTTCTGCACTCTCACTTCTCAAGTGTATCCCTGTCAAGAACTACT 2039
QY 1080 CCAGATTAATGTGAAGTGTGAATGGACATAATTTCTACAGTGGAGATAATATACATAAC 1139
Db 2040 CCAGATTAATGTGAAGTGTGAATGGACATAATTTCTACAGTGGAGATAATATACATAAC 2099
QY 1140 AGAAGATGATGTAATCAAAAGTCMAAATCACTGGGCAAAATATACACAGCATGGCTCT 1199
Db 2100 AGAAGATGATGTAATCAAAAGTCMAAATCACTGGGCAAAATATACACAGCATGGCTCT 2159
QY 1200 TTTTGAATCCAAATTTCAATTTGAAAGACTATCTTGAATCACCATAATATGTGGATTTGAA 1259
Db 2160 TTTTGAATCCAAATTTCAATTTGAAAGACTATCTTGAATCACCATAATATGTGGATTTGAA 2219
QY 1260 CCAAACTCTTTTGTTCAGATGTCTGCACACCTCAGATCCAAATTTGTGGTGTCTTCT 1319
Db 2220 CCAAACTCTTTTGTTCAGATGTCTGCACACCTCAGATCCAAATTTGTGGTGTCTTCT 2279
QY 1320 TGATACCTGTAGAGCTCTCCCACTCTGATTTGTGATCTCCAACTCAGACCTTAATCAA 1379
Db 2280 TGATACCTGTAGAGCTCTCCCACTCTGATTTGTGATCTCCAACTCAGACCTTAATCAA 2339
QY 1380 GAGTGAATGTAGTGTGAGTGAATCTTGTGAAGTGTATCCCTTATTTGGACATATGGGAG 1439
Db 2340 GAGTGAATGTAGTGTGAGTGAATCTTGTGAAGTGTATCCCTTATTTGGACATATGGGAG 2399
QY 1440 ATTCCAGTTTAAAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGAT 1499
Db 2400 ATTCCAGTTTAAAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGAT 2459
QY 1500 AGTTTGTATGTGATGAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGAT 1559
Db 2460 AGTTTGTATGTGATGAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGAT 2519
QY 1560 AAGCAACGAGATTTCTTCAATATGAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGAT 1619
Db 2520 AAGCAACGAGATTTCTTCAATATGAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGAT 2579
QY 1620 TCTGAAAGGATCGAAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGAT 1679
Db 2580 TCTGAAAGGATCGAAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGAT 2639
QY 1680 AGAACTCTCAAAACAGCTTTCAACAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGAT 1739
Db 2640 AGAACTCTCAAAACAGCTTTCAACAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGAT 2699
QY 1740 GAATGTGTGATGAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGAT 1799
Db 2700 GAATGTGTGATGAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGAT 2759
QY 1800 CAATATCAAGAGTGTGAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGAT 1859
Db 2760 CAATATCAAGAGTGTGAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGATGAGTGTGAT 2819
QY 1860 CTCAGGATGCAAGGAAATGCTACCTCGTGGCTACACATATTTATGAATAAATGAGGAA 1919
Db 2820 CTCAGGATGCAAGGAAATGCTACCTCGTGGCTACACATATTTATGAATAAATGAGGAA 2879
QY 1920 GGGCTGAAAGTGCACACAGGCTGTGATGCAAAAAA 1957
Db 2880 GGGCTGAAAGTGCACACAGGCTGTGATGCAAAAAA 2917

RESULT 8
US-09-904-011-189
Sequence 189, Application US/09904011
Publication No. US20030003530A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Baton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Pilvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/904,011
PRIOR FILING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: 09/685,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
NUMBER OF SEQ ID NOS: 423

: SEO TD NO 189

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, SEQ ID NO 103
:
: LENGTH: 2917

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LENGTH: 251,
TYPE: DNA

LIFE: DNA
ORGANISM: Homo sapien

US-09-904-011-189

Query Match 98.9%; Score 1944.4; DB 10; Length 2917;

Query Match	99.5%	99.5%
Best Local Similarity	99.9%	99.9%
Pred. No. 0:	13.3%	13.3%

BEST LOCAL SIMILARITY 99.9%; FREQ: NO: 0;
Matches 1956: Conservative 0: Mismatches 1: Indels 1: Gaps 1:

QY	1	CAAAATGGAGCTGTGAAGAGGCTCATGCGATTCGACCTCTAAATCTCTCTCTGTTTGGC	60
DB	960	CAAAATGGAGCTGTGAAGAGGCTCATGCGATTCGACCTCTAAATCTCTCTCTGTTTGGC	1019
QY	61	GGA - CTGACAAATGGCGGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCTAGGCGGTGC	119
DB	1020	GGAGCTGACAAATGGCGGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCTAGGCGGTGC	1079
QY	120	CAATATGGCAGACACCAAGCCATGATCTGCAACTCAATCCAGTCAGTAATCGAC	179
DB	1080	CAATATGGCAGACACCAAGCCATGATCTGCAACTCAATCCAGTCAGTAATCGAC	1139
QY	180	CTGGACAAATAGAAGACCCAGAAAAAAAAGCATCAGAAATATCTTTTCTATGTCCAGCT	239
DB	1140	CTGGACAAATAGAAGACCCAGAAAAAAAAGCATCAGAAATATCTTTTCTATGTCCAGCT	1199
QY	240	TGATCCAGATGGAGCTGTGAATGTGAACAATTAAGTCCTTTGACGGGAACCTCCAGCAA	299
DB	1200	TGATCCAGATGGAGCTGTGAATGTGAACAATTAAGTCCTTTGACGGGAACCTCCAGCAA	1259
QY	300	TGGGCTCTCTAGGCGAAGCTCTGCAGTAAAAACGACTATGTTCTGTGATTTTGAATCATC	359
DB	1260	TGGGCTCTCTAGGCGAAGCTCTGCAGTAAAAACGACTATGTTCTGTGATTTTGAATCATC	1319
QY	360	ATCCAGTACATTCAGCGTTTCAATAGTTACTGACTCAGCGAAGAAATCAAGAACTGTCTT	419
DB	1320	ATCCAGTACATTCAGCGTTTCAATAGTTACTGACTCAGCGAAGAAATCAAGAACTGTCTT	1379
QY	420	TGTCCTCTACTACTCTCTCTCTCTACTACATCTCTATTCCAAAATGTGGCGGTTTACCTGGA	479
DB	1380	TGTCCTCTACTACTCTCTCTCTCTACTACATCTCTATTCCAAAATGTGGCGGTTTACCTGGA	1439
QY	480	TACCTTGGAAAGGATTCCTTCCACGCCCCAATATCCAAAGCCGATCCTGAGCTGCCTTA	539
DB	1440	TACCTTGGAAAGGATTCCTTCCACGCCCCAATATCCAAAGCCGATCCTGAGCTGCCTTA	1499
QY	540	TTGTGTGTGGCACATAAAGTGGAGAAGATTACAAGATAAACTAAACTTTCAAGAGAT	599
DB	1500	TTGTGTGTGGCACATAAAGTGGAGAAGATTACAAGATAAACTAAACTTTCAAGAGAT	1559
QY	600	TTTCTTAGAAATAGACAAACAGTCGAAATTTGATTTTCTTGCCATCTATGATGGCCCTC	659
DB	1560	TTTCTTAGAAATAGACAAACAGTCGAAATTTGATTTTCTTGCCATCTATGATGGCCCTC	1619
QY	660	CACCAACTCTGGCTGATTGCAAGCTGTGGCGGTGCTACCTCCACCTTCGAATGCTC	719
DB	1620	CACCAACTCTGGCTGATTGCAAGCTGTGGCGGTGCTACCTCCACCTTCGAATGCTC	1679
QY	720	ATCAAACTCTCTGACTGTCGTGTGTCTTACAGATTTATGCCAAATCTTTACCGGGATTTC	779
DB	1680	ATCAAACTCTCTGACTGTCGTGTGTCTTACAGATTTATGCCAAATCTTTACCGGGATTTC	1739
QY	780	TGCTTCTTACAGCTCAATTTATGCGAATAACATCAACTACATCTTTAACTTGCTCTCTC	839
DB	1740	TGCTTCTTACAGCTCAATTTATGCGAATAACATCAACTACATCTTTAACTTGCTCTCTC	1799
QY	840	TGACAGGATGAGAGTTATTATAAGCAAACTCTTACCTAGAGCTTTTAACTTAATGGGAA	899
DB	1800	TGACAGGATGAGAGTTATTATAAGCAAACTCTTACCTAGAGCTTTTAACTTAATGGGAA	1859
QY	900	TAACTTGCACATAAAGACCCCAATTCGACAGCAAAAATATCAATGTGTGGAAATTTTC	959
DB	1860	TAACTTGCACATAAAGACCCCAATTCGACAGCAAAAATATCAATGTGTGGAAATTTTC	1919

Publication No. US20030023054A1

GENERAL INFORMATION:

APPLICANT: Genentech, Inc.

APPLICANT: Ashkenazi, Avi

APPLICANT: Botstein, David

APPLICANT: Desnovers, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone

APPLICANT: Filvaroff, Ellen

APPLICANT: Fong, Sherman

APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, A.

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, Christopher J.

APPLICANT: Gurney, Austin L.

APPLICANT: Hillan, Kenneth, J.

APPLICANT: Kljavin, Ivar J.

APPLICANT: Mather, Jennie P.

APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William, I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Acids Encoding the Same

FILE REFERENCE: 10466-14

CURRENT APPLICATION NUMBER: US/09/906,742

CURRENT FILING DATE: 2001-07-16

PRIOR APPLICATION NUMBER: 09/665,350

PRIOR FILING DATE: 2000-09-18

PRIOR APPLICATION NUMBER: PCT/US00/04414

PRIOR FILING DATE: 2000-02-22

PRIOR APPLICATION NUMBER: US 60/143,048

PRIOR FILING DATE: 1999-07-07

PRIOR APPLICATION NUMBER: US 60/145,698

PRIOR FILING DATE: 1999-07-26

PRIOR APPLICATION NUMBER: US 60/146,222

PRIOR FILING DATE: 1999-07-28

PRIOR APPLICATION NUMBER: PCT/US99/20594

PRIOR FILING DATE: 1999-09-08

PRIOR APPLICATION NUMBER: PCT/US99/20944

PRIOR FILING DATE: 1999-09-13

PRIOR APPLICATION NUMBER: PCT/US99/21090

PRIOR FILING DATE: 1998-09-15

PRIOR APPLICATION NUMBER: PCT/US99/21547

PRIOR FILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: PCT/US99/23089

PRIOR FILING DATE: 1999-10-05

PRIOR APPLICATION NUMBER: PCT/US99/28214

PRIOR FILING DATE: 1999-11-29

PRIOR APPLICATION NUMBER: PCT/US99/28313

PRIOR FILING DATE: 1999-11-30

PRIOR APPLICATION NUMBER: PCT/US99/28564

PRIOR FILING DATE: 1999-12-02

PRIOR APPLICATION NUMBER: PCT/US99/28565

PRIOR FILING DATE: 1999-12-02

PRIOR APPLICATION NUMBER: PCT/US99/30095

PRIOR FILING DATE: 1999-12-16

PRIOR APPLICATION NUMBER: PCT/US99/30911

PRIOR FILING DATE: 1999-12-20

PRIOR APPLICATION NUMBER: PCT/US99/30999

PRIOR FILING DATE: 1999-12-20

PRIOR APPLICATION NUMBER: PCT/US00/00219

PRIOR FILING DATE: 2000-01-05

NUMBER OF SEQ ID NOS: 423

SEQ ID NO 189

LENGTH: 2917

TYPE: DNA

ORGANISM: Homo sapiens

QY	1020	CAATATAACACCTTTCTGCACTCTCACTTCTGAAGTGATCACCCCTCAGAACAACT	1079	APPLICANT: Botstein, David
Db	1980	CAATATAACACCTTTCTGCACTCTCACTTCTGAAGTGATCACCCCTCAGAACAACT	2039	APPLICANT: Deenoyers, Luc
QY	1080	CCAGATTATTGTAAGTGTGAATGGGACATAATTTCTACAGTGGAGATAATATACATAAC	1139	APPLICANT: Baton, Dan L.
Db	2040	CCAGATTATTGTAAGTGTGAATGGGACATAATTTCTACAGTGGAGATAATATACATAAC	2099	APPLICANT: Ferrara, Napoleone
QY	1140	AGAGATGATGTAATCAAAAGTCAAAATGCACTGGGCAATATACACAGATGGCTCT	1199	APPLICANT: Filvaroff, Ellen
Db	2100	AGAGATGATGTAATCAAAAGTCAAAATGCACTGGGCAATATACACAGATGGCTCT	2159	APPLICANT: Fong, Sherman
QY	1200	TTTGTGAATCAAAATTTCTGAAAGACTATATCTTGAATCACCATATATGTGGATTGAA	1259	APPLICANT: Gerber, Hanspeter
Db	2160	TTTGTGAATCAAAATTTCTGAAAGACTATATCTTGAATCACCATATATGTGGATTGAA	2219	APPLICANT: Gerritsen, Mary E.
QY	1260	CCAAACTCTTTTGTTCAGATGATCTGCACACCTCAGATCCAAATTTGGTGGTCTCT	1319	APPLICANT: Goddard, A.
Db	2220	CCAAACTCTTTTGTTCAGATGATCTGCACACCTCAGATCCAAATTTGGTGGTCTCT	2279	APPLICANT: Godowski, Paul J.
QY	1320	TGATACCTGTAGAGCTCTCCACCTCTGACTTTGCACTCCAACTCAGACCTATCAAA	1379	APPLICANT: Grimaldi, Christopher J.
Db	2280	TGATACCTGTAGAGCTCTCCACCTCTGACTTTGCACTCCAACTCAGACCTATCAAA	2339	APPLICANT: Gurney, Austin L.
QY	1380	GAGTGGATGTAGCGAGATGAACCTTGTAAAGTGTATCCCTTATTTGGACACTATGGAG	1439	APPLICANT: Hillan, Kenneth, J.
Db	2340	GAGTGGATGTAGCGAGATGAACCTTGTAAAGTGTATCCCTTATTTGGACACTATGGAG	2399	APPLICANT: Kijavlin, Ivar J.
QY	1440	ATTCCAGTTTAAGTCCCTTTAAATTTCTGAGAAGTATGAGCTCTGTGTATCTGCAGTGTA	1499	APPLICANT: Mather, Jennie P.
Db	2400	ATTCCAGTTTAAGTCCCTTTAAATTTCTGAGAAGTATGAGCTCTGTGTATCTGCAGTGTA	2459	APPLICANT: Pan, James
QY	1500	AGTTTTCATGTGATAGAGTGAACACCTAGTCTCGCTGCAATCAAGTTGTGTCTCCAG	1559	APPLICANT: Paoni, Nicholas F.
Db	2460	AGTTTTCATGTGATAGAGTGAACACCTAGTCTCGCTGCAATCAAGTTGTGTCTCCAG	2519	APPLICANT: Roy, Margaret Ann
QY	1560	AAGCAACGACATTTCTTCATATAATGGAACACAGATTCATATAGGACCCATTCTG	1619	APPLICANT: Stewart, Timothy A.
Db	2520	AAGCAACGACATTTCTTCATATAATGGAACACAGATTCATATAGGACCCATTCTG	2579	APPLICANT: Tumas, Daniel
QY	1620	TCTGAAAGGGATCGAAGTGCAGTGGCAATTCAGGATTTTCAGATGAACACATCGGA	1679	APPLICANT: Wood, William, I.
Db	2580	TCTGAAAGGGATCGAAGTGCAGTGGCAATTCAGGATTTTCAGATGAACACATCGGA	2639	TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
QY	1680	AGAACTCCAAACAGAGCTTTCAACAGTGTGCATCTGTTTCTCTCATGTTCTAGCTCT	1739	FILE REFERENCE: 10466-14
Db	2640	AGAACTCCAAACAGAGCTTTCAACAGTGTGCATCTGTTTCTCTCATGTTCTAGCTCT	2699	CURRENT APPLICATION NUMBER: US/09/906,838
QY	1740	GAATGTGTGACTGTAGCGCAATCACAGTGAGGCAATTTGTAAATCAACGGGCGAGCTA	1799	CURRENT FILING DATE: 2001-07-16
Db	2700	GAATGTGTGACTGTAGCGCAATCACAGTGAGGCAATTTGTAAATCAACGGGCGAGCTA	2759	PRIOR FILING DATE: 2000-09-18
QY	1800	CAATACAGAGCTGCAGAACTATTACTAACAGTCCCACTTACCTTCTCATGTTCTAGCTCT	1859	PRIOR FILING DATE: 2000-02-22
Db	2760	CAATACAGAGCTGCAGAACTATTACTAACAGTCCCACTTACCTTCTCATGTTCTAGCTCT	2819	PRIOR FILING DATE: 1999-07-07
QY	1860	CTCCAGGATGCCAAGGAAATGCTACCTCGTGGCTACACATATATGAAATAAATGAGGAA	1919	PRIOR FILING DATE: 1999-07-28
Db	2820	CTCCAGGATGCCAAGGAAATGCTACCTCGTGGCTACACATATATGAAATAAATGAGGAA	2879	PRIOR FILING DATE: 1999-09-08
QY	1920	GGGCTGAAAGTGACACACAGGCTGTGATCAAAAAA	1957	PRIOR FILING DATE: 1999-09-13
Db	2880	GGGCTGAAAGTGACACACAGGCTGTGATCAAAAAA	2917	PRIOR FILING DATE: 1999-11-29
RESULT 10				PRIOR FILING DATE: 1999-11-30
US-09-906-838-189				PRIOR FILING DATE: 1999-12-02
; Sequence 189, Application US/09906838				PRIOR FILING DATE: 1999-12-02
; Publication No. US20030027143A1				PRIOR FILING DATE: 1999-12-16
; GENERAL INFORMATION:				PRIOR FILING DATE: 1999-12-20
; APPLICANT: Genentech, Inc.				PRIOR FILING DATE: 1999-12-20
; APPLICANT: Ashkenazi, Avi				PRIOR FILING DATE: 1999-12-20
				PRIOR FILING DATE: 2000-01-05
				NUMBER OF SEQ ID NOS: 423
				SEQ ID NO 189
				LENGTH: 2917
				TYPE: DNA
				ORGANISM: Homo Sapien
				US-09-906-838-189
				Query Match 98.9%; Score 1944.4; DB 10; Length 2917;
				Best Local Similarity 99.9%; Pred. No. 0;

APPLICANT: Filvaroff, Ellen
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, A.
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth J.
 APPLICANT: Kijavin, Ivar J.
 APPLICANT: Mather, Jennie P.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William, I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 TITLE OF INVENTION: Acids Encoding the Same
 FILE REFERENCE: 10466-14
 CURRENT APPLICATION NUMBER: US/09/907,613
 CURRENT FILING DATE: 2001-07-17
 PRIOR APPLICATION NUMBER: PCT/US00/04414
 PRIOR FILING DATE: 2000-02-22
 PRIOR APPLICATION NUMBER: US 60/143,048
 PRIOR FILING DATE: 1999-07-07
 PRIOR APPLICATION NUMBER: US 60/145,698
 PRIOR FILING DATE: 1999-07-26
 PRIOR APPLICATION NUMBER: US 60/146,222
 PRIOR FILING DATE: 1999-07-28
 PRIOR APPLICATION NUMBER: PCT/US99/20594
 PRIOR FILING DATE: 1999-09-08
 PRIOR APPLICATION NUMBER: PCT/US99/20944
 PRIOR FILING DATE: 1999-09-13
 PRIOR APPLICATION NUMBER: PCT/US99/21090
 PRIOR FILING DATE: 1999-09-15
 PRIOR APPLICATION NUMBER: PCT/US99/21547
 PRIOR FILING DATE: 1999-11-29
 PRIOR APPLICATION NUMBER: PCT/US99/28313
 PRIOR FILING DATE: 1999-11-30
 PRIOR APPLICATION NUMBER: PCT/US99/28564
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/28565
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/30095
 PRIOR FILING DATE: 1999-12-16
 PRIOR APPLICATION NUMBER: PCT/US99/30911
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US99/30999
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US00/00219
 PRIOR FILING DATE: 2000-01-05
 NUMBER OF SEQ ID NOS: 423
 SEQ ID NO 189
 LENGTH: 2917
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-907-613-189
 Query Match 98.9%; Score 1944.4; DB 10; Length 2917;
 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
 1 CAAATGGAGCTTGTAAAGAGGCTCATGCCATGGACCTCTTAATCTCTCTCTGTTGGC 60
 960 CAAATGGAGCTTGTAAAGAGGCTCATGCCATGGACCTCTTAATCTCTCTCTGTTGGC 1019

61 GGA-CTGACAAATGGCGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCTAGGGGGTGC 119
 1020 GGAGCTGACAAATGGCGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCTAGGGGGTGC 1079
 120 CAATATGGCAGAGACCCACAAAGCCATGATCTCTGCAACTCAATCCCGAGTGAAGTGCAC 179
 1080 CAATATGGCAGAGACCCACAAAGCCATGATCTCTGCAACTCAATCCCGAGTGAAGTGCAC 1139
 180 CTGACCAATAGAAAGACCAGAGAAACAAAGACATCAGAATATCTTTTCTATGTCAGCT 239
 1140 CTGACCAATAGAAAGACCAGAGAAACAAAGACATCAGAATATCTTTTCTATGTCAGCT 1199
 240 TGATCCAGATGAAGCTGTGAAAGTGAACATTAAGTCTTTGACGGAACCTCCAGCAA 299
 1200 TGATCCAGATGAAGCTGTGAAAGTGAACATTAAGTCTTTGACGGAACCTCCAGCAA 1259
 300 TGGGCTCTCTAGGCAAGTCTGCAGTAAAAACGATATGTTCTGTATTTGAATCATC 359
 1260 TGGGCTCTCTAGGCAAGTCTGCAGTAAAAACGATATGTTCTGTATTTGAATCATC 1319
 360 ATCCAGTACATGACGTTCCAAATAGTACTGACTCAGCAGAAATCAAGAACTGCTCT 419
 1320 ATCCAGTACATGACGTTCCAAATAGTACTGACTCAGCAGAAATCAAGAACTGCTCT 1379
 420 TGCTTTCTACTACTTCTTCTCTCTAACTCTCTATTTCCAAACTGTGGCGGTTACCTGGA 479
 1380 TGCTTTCTACTACTTCTTCTCTCTAACTCTCTATTTCCAAACTGTGGCGGTTACCTGGA 1439
 480 TACCTTGAAGGATCTTACCAGCCCAATTAACCAAGCCGATCCTGAGTGGCTTA 539
 1440 TACCTTGAAGGATCTTACCAGCCCAATTAACCAAGCCGATCCTGAGTGGCTTA 1499
 540 TTGTGTGGCAGATACAGTGGAGAAAGATTACAAGTAAATCAAACTTCAAGAGAT 599
 1500 TTGTGTGGCAGATACAGTGGAGAAAGATTACAAGTAAATCAAACTTCAAGAGAT 1559
 600 TTCTCTAGAAATAGACAAACAGTGGCAATTTGATTTCTTGCCATCTATGATGCCCCCTC 659
 1560 TTCTCTAGAAATAGACAAACAGTGGCAATTTGATTTCTTGCCATCTATGATGCCCCCTC 1619
 660 CACCAACTCTGCGCTGATTGGACAAAGTCTGTGGCGGTGTGACTCCCACTTCAAGTCTC 719
 1620 CACCAACTCTGCGCTGATTGGACAAAGTCTGTGGCGGTGTGACTCCCACTTCAAGTCTC 1679
 720 ATCAAACTCTCTGACTGCTGTTGTCTACAGATTTATGCCAATTTCTTACCGGATTTTC 779
 1680 ATCAAACTCTCTGACTGCTGTTGTCTACAGATTTATGCCAATTTCTTACCGGATTTTC 1739
 780 TGCTTCTACACTCAATTTATGAGAAACATCAACAGTACATCTTTAACTTCTCTCTC 839
 1740 TGCTTCTACACTCAATTTATGAGAAACATCAACAGTACATCTTTAACTTCTCTCTC 1799
 840 TGACAGGATGAGATTATTAAGCAATCTCTACAGAGCTTTTAACTCTTAATGGAA 899
 1800 TGACAGGATGAGATTATTAAGCAATCTCTACAGAGCTTTTAACTCTTAATGGAA 1859
 900 TAACTTGAACATAAGACCAACTTGCAGCAGCAAAATTAATCAATTTGTGGAAATTTTC 959
 1860 TAACTTGAACATAAGACCAACTTGCAGCAGCAAAATTAATCAATTTGTGGAAATTTTC 1919
 960 TGTCCTCTTAAATGATGTGTAACAATCAGAAAGGTAGAAGTCAAGTCAATTTACTTACAC 1019
 1920 TGTCCTCTTAAATGATGTGTAACAATCAGAAAGGTAGAAGTCAAGTCAATTTACTTACAC 1979
 1020 CAATATAATCACTTTTCTGCACTCTCAACTCTGAGTGTATCCCGTCAAGAACT 1079
 1980 CAATATAATCACTTTTCTGCACTCTCAACTCTGAGTGTATCCCGTCAAGAACT 2039
 1080 CCAGATTATTTGAAGTGTGAATGGACATTAATTTCTACAGTGGAGATAATATACATAAC 1139
 2040 CCAGATTATTTGAAGTGTGAATGGACATTAATTTCTACAGTGGAGATAATATACATAAC 2099
 1140 AGAAGATGATTAATTAAGGTCAAAATGCACTGGGCAATTAATACACAGCAGCTGCTCT 1199

Db 2100 AGAAGATGATGTAATCAAAAGTCAAAATGCACTGGGCAAAATATAACACACGATGGCTCT 2159
 Qy 1200 TTTTGAATCAATTTCTTTGAAGAACTATCTTTGAATCAATATATATGTTGATTTGAA 1259
 Db 2160 TTTTGAATCAATTTCTTTGAAGAACTATCTTTGAATCAATATATGTTGATTTGAA 2219
 Qy 1260 CCAAACTCTTTTGTCAAGTTAGTCTGCAACCTCAGATCCAAATTTGTTGTTCT 1319
 Db 2220 CCAAACTCTTTTGTCAAGTTAGTCTGCAACCTCAGATCCAAATTTGTTGTTCT 2279
 Qy 1320 TGATACCTGAGAGCTCTCCCACTCTGATCTTGTGATCTCCAACTGACCTATCAAA 1379
 Db 2280 TGATACCTGAGAGCTCTCCCACTCTGATCTTGTGATCTCCAACTGACCTATCAAA 2339
 Qy 1380 GAGTGGATGATGCGAGATGAATCTTTGTAAGGTGTATCCCTTATTTGGACACTATGGAG 1439
 Db 2340 GAGTGGATGATGCGAGATGAATCTTTGTAAGGTGTATCCCTTATTTGGACACTATGGAG 2399
 Qy 1440 ATTCCAGTTTAATGCCCTTTAAATCTTTGAGAAGTATGAGCTCTGCTATCTGCAGTGA 1499
 Db 2400 ATTCCAGTTTAATGCCCTTTAAATCTTTGAGAAGTATGAGCTCTGCTATCTGCAGTGA 2459
 Qy 1500 AGTTTTCATATGATAGCAGTGAACCACTGCTCGCTGCAATCAAGGTGTTGTTCTCCAG 1559
 Db 2460 AGTTTTCATATGATAGCAGTGAACCACTGCTCGCTGCAATCAAGGTGTTGTTCTCCAG 2519
 Qy 1560 AAGCAACGAGACATTTCTTCATATAATGGAACAGATTCATATAGGACCCATTCG 1619
 Db 2520 AAGCAACGAGACATTTCTTCATATAATGGAACAGATTCATATAGGACCCATTCG 2579
 Qy 1620 TCTGAAAGGATGCAAGTGCAGTCAATTCAGGATTTGAGTCAATCAATCAAGTGCAG 1679
 Db 2580 TCTGAAAGGATGCAAGTGCAGTCAATTCAGGATTTGAGTCAATCAATCAAGTGCAG 2639
 Qy 1680 AGAACTCCAAACAGGCTTTCAAGTGTGATCTGTTTCTTCTTCTTCTTCTTCTTCT 1739
 Db 2640 AGAACTCCAAACAGGCTTTCAAGTGTGATCTGTTTCTTCTTCTTCTTCTTCTTCT 2699
 Qy 1740 GAATGCTGCTAGTGTAGGCAATTCAGAGGAGGCAATTTGTAATCAAGGCGAGACTA 1799
 Db 2700 GAATGCTGCTAGTGTAGGCAATTCAGAGGAGGCAATTTGTAATCAAGGCGAGACTA 2759
 Qy 1800 CAATACCAAGCTGCGAATCTTAACTAACAGGTCCAACTAAGTGAGACATGTTT 1859
 Db 2760 CAATACCAAGCTGCGAATCTTAACTAACAGGTCCAACTAAGTGAGACATGTTT 2819
 Qy 1860 CTCAGATGCCAAGGAATGCTTACCTGCTGCTACATATATGTAATGAGGAA 1919
 Db 2820 CTCAGATGCCAAGGAATGCTTACCTGCTGCTACATATATGTAATGAGGAA 2879
 Qy 1920 GGGCTGAAAGTGCACACAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1957
 Db 2880 GGGCTGAAAGTGCACACAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2917

RESULT 12

US-09-907-942-189

; Sequence 189, Application US/09907942

; Publication No. US20030027146A1

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, A.

; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
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 ; APPLICANT: Mather, Jennie P.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; TITLE OF INVENTION: Acids Encoding the Same
 ; FILE REFERENCE: 10466-14
 ; CURRENT APPLICATION NUMBER: US/09/907,942
 ; CURRENT FILING DATE: 2002-01-22
 ; PRIOR APPLICATION NUMBER: PCT/US00/04414
 ; PRIOR FILING DATE: 2000-02-22
 ; PRIOR APPLICATION NUMBER: US 60/143,048
 ; PRIOR FILING DATE: 1999-07-07
 ; PRIOR APPLICATION NUMBER: US 60/145,698
 ; PRIOR FILING DATE: 1999-07-26
 ; PRIOR APPLICATION NUMBER: US 60/146,222
 ; PRIOR FILING DATE: 1999-07-28
 ; PRIOR APPLICATION NUMBER: PCT/US99/20594
 ; PRIOR FILING DATE: 1999-09-08
 ; PRIOR APPLICATION NUMBER: PCT/US99/20944
 ; PRIOR FILING DATE: 1999-09-13
 ; PRIOR APPLICATION NUMBER: PCT/US99/21090
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/21547
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/23089
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: PCT/US99/28214
 ; PRIOR FILING DATE: 1999-11-29
 ; PRIOR APPLICATION NUMBER: PCT/US99/28313
 ; PRIOR FILING DATE: 1999-11-30
 ; PRIOR APPLICATION NUMBER: PCT/US99/28564
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 189
 ; LENGTH: 2917
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens

Query Match 98.9%; Score 1944.4; DB 10; Length 2917;

Best Local Similarity 99.9%; Pred. No. 0;

Matches 1956; Conservative 0; Mismatches 1; Gaps 1;

Qy 1 CAAATGGAGCTTGTGAAGGCTCATGCCATTCACCCCTCTTAATCTCTCTCTTTGGC 60
 Db 960 CAAATGGAGCTTGTGAAGGCTCATGCCATTCACCCCTCTTAATCTCTCTCTTTGGC 1019
 Qy 61 GGA-CTGACAAATGGCGAGGCTGAAGCAATGCAAGTGCACAGTCTAGTCTAGGGGTGC 119
 Db 1020 GGAAGCTGACAAATGGCGAGGCTGAAGCAATGCAAGTGCACAGTCTAGTCTAGGGGTGC 1079
 Qy 120 CAAATGGAGGAGCCCAAGGCAATGCAAGTGCACAGTCTAGTCTAGGGGTGC 179

Db	1080	CAATATGGCAGAGACCCACAAAGCCATGATCTCGAACTCAATCCAGTGAGAACTGCAC	1139
Qy	180	CTGGACAATAGAAGACCCAGAAAAAAGCATCAGAAATATCTTTTCCATATGTCAGCT	239
Db	1140	CTGGACAAATAGAAGACCCAGAAAAAAGCATCAGAAATATCTTTTCCATATGTCAGCT	1199
Qy	240	TGATCCAGATGGAAAGCTGTGAAAGTGAAACATTAAGTCTTTGACGGAACCTCCAGAA	299
Db	1200	TGATCCAGATGGAAAGCTGTGAAAGTGAAACATTAAGTCTTTGACGGAACCTCCAGAA	1259
Qy	300	TGGCCCTCTCTAGGCGAAGCTCTGCAGTAAAAACGACTATGTTCTCTGTATTTGAATCATC	359
Db	1260	TGGCCCTCTCTAGGCGAAGCTCTGCAGTAAAAACGACTATGTTCTCTGTATTTGAATCATC	1319
Qy	360	ATCCAGTACATTGACGTTTCAATAGTTACTGACTCAGCGAAGATTTCAAGAACTGTCTT	419
Db	1320	ATCCAGTACATTGACGTTTCAATAGTTACTGACTCAGCGAAGATTTCAAGAACTGTCTT	1379
Qy	420	TGTTCTTACTACTCTTCTCTCTCACTCTCTATTTCAAAACTGTGGCGTTTACCTGGA	479
Db	1380	TGTTCTTACTACTCTTCTCTCTCACTCTCTATTTCAAAACTGTGGCGTTTACCTGGA	1439
Qy	480	TACCTTGGAAAGGATCTTTCCACGCCCCAAATACCCAAAGCCGATCTCTGAGCTGCTTA	539
Db	1440	TACCTTGGAAAGGATCTTTCCACGCCCCAAATACCCAAAGCCGATCTCTGAGCTGCTTA	1499
Qy	540	TTGTGTGTGGCACATACAAGTGGGAAGAGATTACAGATAAACTAAACTTCCAAAGAGAT	599
Db	1500	TTGTGTGTGGCACATACAAGTGGGAAGAGATTACAGATAAACTAAACTTCCAAAGAGAT	1559
Qy	600	TTTCTTAGAAATAGACAAACAGTGCAAATTTGATTTTCTTGCCATCTATGATGCCCTC	659
Db	1560	TTTCTTAGAAATAGACAAACAGTGCAAATTTGATTTTCTTGCCATCTATGATGCCCTC	1619
Qy	660	CACCAACTCTGGCCCTGATTGGAACAAGTCTGTGGCGGTGCACTCCACCTTCGAATCGTC	719
Db	1620	CACCAACTCTGGCCCTGATTGGAACAAGTCTGTGGCGGTGCACTCCACCTTCGAATCGTC	1679
Qy	720	ATCAAACTCTGACTGTGCGTGTGTCTACAGATTATGCCAATTTCTTACCGGGATTTTC	779
Db	1680	ATCAAACTCTGACTGTGCGTGTGTCTACAGATTATGCCAATTTCTTACCGGGATTTTC	1739
Qy	780	TGCTTCTPACACCTCAATTTATGAGAAACACACAACTATCTTTAACTTGTCTTCTTC	839
Db	1740	TGCTTCTPACACCTCAATTTATGAGAAACACACAACTATCTTTAACTTGTCTTCTTC	1799
Qy	840	TGACAGGATGAGATTATTAAGCAATCTCTAGAGCTTTTAACTCTAATGGGA	899
Db	1800	TGACAGGATGAGATTATTAAGCAATCTCTAGAGCTTTTAACTCTAATGGGA	1859
Qy	900	TAACTTGCAACTAAAGACCCAACTTGACAGACCAAAATTAACAATGTGTGGAATTTTC	959
Db	1860	TAACTTGCAACTAAAGACCCAACTTGACAGACCAAAATTAACAATGTGTGGAATTTTC	1919
Qy	960	TGTCCTCTTAATGATGTGTTCAATCAGAAAGTGAAGATCAGTCAATTAATCAAC	1019
Db	1920	TGTCCTCTTAATGATGTGTTCAATCAGAAAGTGAAGATCAGTCAATTAATCAAC	1979
Qy	1020	CAATATAATCACTTTTCTGCAATCTCAACTCTGAGTGTACCCGTCAGAAACAACT	1079
Db	1980	CAATATAATCACTTTTCTGCAATCTCAACTCTGAGTGTACCCGTCAGAAACAACT	2039
Qy	1080	CCAGATTATTTGAAAGTGGACATTAATTTCTACGTGGAGATTAATATACATAAC	1139
Db	2040	CCAGATTATTTGAAAGTGGACATTAATTTCTACGTGGAGATTAATATACATAAC	2099
Qy	1140	AGAGATGATGTAAATACAAAGTCAAAATGGCACTGGGCAAAATATAACACGACATGGCTCT	1199
Db	2100	AGAGATGATGTAAATACAAAGTCAAAATGGCACTGGGCAAAATATAACACGACATGGCTCT	2159
Qy	1200	TTTTGAATCCAAATCATTTGAAAGACATATCTTGAATCAACATTAATGTGGAATTTGAA	1259
Db	2160	TTTTGAATCCAAATCATTTGAAAGACATATCTTGAATCAACATTAATGTGGAATTTGAA	2219

RESULT 13
US - 9094 - 859 - 189
Sequence 189, Application US/09904859
Publication No. US20030036060A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Borstein, David
APPLICANT: Denoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivan J.
APPLICANT: Mather, Jennie P.

APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas P.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William, I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 FILE OF INVENTION: Acids Encoding the Same
 FILE REFERENCE: 10466-14
 CURRENT APPLICATION NUMBER: US/09/904,859
 CURRENT FILING DATE: 2001-07-12
 PRIOR APPLICATION NUMBER: 09/665,350
 PRIOR FILING DATE: 2000-09-18
 PRIOR APPLICATION NUMBER: PCT/US00/04414
 PRIOR FILING DATE: 2000-02-22
 PRIOR APPLICATION NUMBER: US 60/143,048
 PRIOR FILING DATE: 1999-07-07
 PRIOR APPLICATION NUMBER: US 60/145,698
 PRIOR FILING DATE: 1999-07-26
 PRIOR APPLICATION NUMBER: US 60/146,222
 PRIOR FILING DATE: 1999-07-28
 PRIOR APPLICATION NUMBER: PCT/US99/20594
 PRIOR FILING DATE: 1999-09-08
 PRIOR APPLICATION NUMBER: PCT/US99/20944
 PRIOR FILING DATE: 1999-09-13
 PRIOR APPLICATION NUMBER: PCT/US99/21090
 PRIOR FILING DATE: 1999-09-15
 PRIOR APPLICATION NUMBER: PCT/US99/21547
 PRIOR FILING DATE: 1999-09-15
 PRIOR APPLICATION NUMBER: PCT/US99/23089
 PRIOR FILING DATE: 1999-10-05
 PRIOR APPLICATION NUMBER: PCT/US99/28214
 PRIOR FILING DATE: 1999-11-29
 PRIOR APPLICATION NUMBER: PCT/US99/28313
 PRIOR FILING DATE: 1999-11-30
 PRIOR APPLICATION NUMBER: PCT/US99/28564
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/28565
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/30095
 PRIOR FILING DATE: 1999-12-16
 PRIOR APPLICATION NUMBER: PCT/US99/30911
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US99/30999
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US00/00219
 PRIOR FILING DATE: 2000-01-05
 NUMBER OF SEQ ID NOS: 423
 SEQ ID NO 189
 LENGTH: 2917
 TYPE: DNA
 ORGANISM: Homo Sapien
 US-09-904-859-189
 Query Match 98.9%; Score 1944.4; DB 10; Length 2917;
 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
 QY 1 CAATAAGGAGTTGTAAGAGGCTCATGCCATTCGACCCCTTAACTCTCTCCCTGTTGGC 60
 DB 960 CAAATGGAGTTGTAAGAGGCTCATGCCATTCGACCCCTTAACTCTCTCCCTGTTGGC 1019
 QY 61 GGA-CTGACATGCGGAGGCTGAAGGCAATGCAAGCTGCACAGTCTAGTCTAGGGGTGC 119
 DB 1020 GGAGCTGACATGCGGAGGCTGAAGGCAATGCAAGCTGCACAGTCTAGGGGTGC 1079
 QY 120 CAATATGCGAGAGCCCAAAAGCCATGCTGCAACTCAATCCAGTGAGAACTGGCAC 179
 DB 1080 CAATATGCGAGAGCCCAAAAGCCATGCTGCAACTCAATCCAGTGAGAACTGGCAC 1139
 QY 180 CTGACCAATGAAAGACCAAGAAAGCATCAGAAATATCTTTTCTCTATGTCAGCT 239

1140 CTGCAATAGAAAGACCAAGAAACAAAAAGCATCAGAAATATCTTTCTATGTCTCAGCT 1199
 QY 240 TGATCCAGATGGAAGCTGTGAAAGTGAAACATTAAGTCTTTGACGGAACTCCAGCAA 299
 DB 1200 TGATCCAGATGGAAGCTGTGAAAGTGAAACATTAAGTCTTTGACGGAACTCCAGCAA 1259
 QY 300 TGGGCTCTGTCTAGGCAAGTCTGCAAGTAAAGCAAGCTATGTTCTCTGTTGATCATC 359
 DB 1260 TGGGCTCTGTCTAGGCAAGTCTGCAAGTAAAGCAAGCTATGTTCTCTGTTGATCATC 1319
 QY 360 ATCCAGTACATTCAGCTTTCAATAGTTACTGACTCAGCAAGAAATCAAGAAAGTCTT 419
 DB 1320 ATCCAGTACATTCAGCTTTCAATAGTTACTGACTCAGCAAGAAATCAAGAAAGTCTT 1379
 QY 420 TGTCTTCTACT 479
 DB 1380 TGTCTTCTACT 1439
 QY 480 TACCTTGGAGGATCTCTCAGCCGCCCAATACCAAGCCGCAATCTCTGAGCTGGCTTA 539
 DB 1440 TACCTTGGAGGATCTCTCAGCCGCCCAATACCAAGCCGCAATCTCTGAGCTGGCTTA 1499
 QY 540 TTGTGTGTGCAATACAAAGTGGAGAAAGATTACAAGATATAAACTAAATCTCAAGAGAT 599
 DB 1500 TTGTGTGTGCAATACAAAGTGGAGAAAGATTACAAGATATAAACTAAATCTCAAGAGAT 1559
 QY 600 TTTCTTAGAATAAGACAAAGTGCATAATTTGATTTCTTGGCCATCTATGATGGCCCTC 659
 DB 1560 TTTCTTAGAATAAGACAAAGTGCATAATTTGATTTCTTGGCCATCTATGATGGCCCTC 1619
 QY 660 CACCAACTCTGGCTGATTTGGCAAGTCTGTGGCCGCTGTGACTCCCACTTGAATCTGTC 719
 DB 1620 CACCAACTCTGGCTGATTTGGCAAGTCTGTGGCCGCTGTGACTCCCACTTGAATCTGTC 1679
 QY 720 ATCAAACTCTGACTGT 779
 DB 1680 ATCAAACTCTGACTGT 1739
 QY 780 TGTCTCTCACCTCAATTTATGCAAGAAACATCAACACTTAACTTTAACTTTCTCTTC 839
 DB 1740 TGTCTCTCACCTCAATTTATGCAAGAAACATCAACACTTAACTTTAACTTTCTCTTC 1799
 QY 840 TGACAGATGAGAGTTATTAAGCAAACTCTACCTAGAGGCTTTTAACTTAATGGGAA 899
 DB 1800 TGACAGATGAGAGTTATTAAGCAAACTCTACCTAGAGGCTTTTAACTTAATGGGAA 1859
 QY 900 TAACTTGCATTAAGACCCCACTTGACAGCAAAATATCAAAATGTTGTGGAATTTTC 959
 DB 1860 TAACTTGCATTAAGACCCCACTTGACAGCAAAATATCAAAATGTTGTGGAATTTTC 1919
 QY 960 TGTCCCTCTTAATGGATGTGTAATCAATCAGAAAGGTAGAGATCAGTCAATTTACTTAC 1019
 DB 1920 TGTCCCTCTTAATGGATGTGTAATCAATCAGAAAGGTAGAGATCAGTCAATTTACTTAC 1979
 QY 1020 CAATATATCACCTTTCTGATCTCTCACTCTGAAAGTATCACCCTGAGAAACAACT 1079
 DB 1980 CAATATATCACCTTTCTGATCTCTCACTCTGAAAGTATCACCCTGAGAAACAACT 2039
 QY 1080 CCAGATTTTGTGAAGTGTGAATGGGACATAATTTCTACAGTGGAGATAATATACATAAC 1139
 DB 2040 CCAGATTTTGTGAAGTGTGAATGGGACATAATTTCTACAGTGGAGATAATATACATAAC 2099
 QY 1140 AGAGATGATGATATACAAAGTCAAAATGCACTGGGCAATATAACACAGCATGGCTCT 1199
 DB 2100 AGAGATGATGATATACAAAGTCAAAATGCACTGGGCAATATAACACAGCATGGCTCT 2159
 QY 1200 TTTTGAATCCAAATTCATTTGAAAGAGCTATCTTGAATCCATTTATGTTGAAATTTGAA 1259
 DB 2160 TTTTGAATCCAAATTCATTTGAAAGAGCTATCTTGAATCCATTTATGTTGAAATTTGAA 2219
 QY 1260 CCAAACTCTTTTGTGTTAGTTAGTGTGACACCTCAGATCCAAATTTGTTGGTGTCT 1319
 DB 2220 CCAAACTCTTTTGTGTTAGTTAGTGTGACACCTCAGATCCAAATTTGTTGGTGTCT 2279

QY 1320 TGATACCTGTAGAGCCTCTCCACCTCTGACTTGTGATCTCCAACTACGACCTATCA 1379
Db 2280 TGATACCTGTAGAGCCTCTCCACCTCTGACTTGTGATCTCCAACTACGACCTATCA 2339
QY 1380 GAGTGGATGTAGTGCAGATGAACTTCTGAAGTGTATCCCTTATTTGGACACTATGGAG 1439
Db 2340 GAGTGGATGTAGTGCAGATGAACTTCTGAAGTGTATCCCTTATTTGGACACTATGGAG 2399
QY 1440 ATTCAGTTTAAATGCTTTAAATCTTGAGAGTATGAGTCTGTGTATCTGCAGTGA 1499
Db 2400 ATTCAGTTTAAATGCTTTAAATCTTGAGAGTATGAGTCTGTGTATCTGCAGTGA 2459
QY 1500 AGTTTGTATGTATGATAGCAGTGCACCACTCTGCTGCAATCAAGTGTGTCTCCAG 1559
Db 2460 AGTTTGTATGTATGATAGCAGTGCACCACTCTGCTGCAATCAAGTGTGTCTCCAG 2519
QY 1560 AAGCAACGAGACATTTCTTATATTAATGAAACAGATTCATCATAGACCCATTCG 1619
Db 2520 AAGCAACGAGACATTTCTTATATTAATGAAACAGATTCATCATAGACCCATTCG 2579
QY 1620 TCTGAAAGGATCAAGTCAAGTGGCAATTCAGGATTTTCAGCATGAAACACATGCGGA 1679
Db 2580 TCTGAAAGGATCAAGTCAAGTGGCAATTCAGGATTTTCAGCATGAAACACATGCGGA 2639
QY 1680 AGAACTCCAAACAGCCTTTCAACAGTGTGCATCTGTTTCTCTCATGTTCTAGCTCT 1739
Db 2640 AGAACTCCAAACAGCCTTTCAACAGTGTGCATCTGTTTCTCTCATGTTCTAGCTCT 2699
QY 1740 GAATGTGTGACTGTAGCGCAATCACAGTGCAGCATTTTCTTAATCAAGGGCAGACTA 1799
Db 2700 GAATGTGTGACTGTAGCGCAATCACAGTGCAGCATTTTCTTAATCAAGGGCAGACTA 2759
QY 1800 CAATACCAAGAGTGCAGAACTATTAATCAAGTGCACCCCTTAAGTGAGACATGTTT 1859
Db 2760 CAATACCAAGAGTGCAGAACTATTAATCAAGTGCACCCCTTAAGTGAGACATGTTT 2819
QY 1860 CTCAGGATGCCAAGGAATGCTACCTCGGCTACACATATTAATGAATAAATGAGAA 1919
Db 2820 CTCAGGATGCCAAGGAATGCTACCTCGGCTACACATATTAATGAATAAATGAGAA 2879
QY 1920 GGGCTGAAAGTGACACACAGCCCTGCATGTCAAAAA 1957
Db 2880 GGGCTGAAAGTGACACACAGCCCTGCATGTCAAAAA 2917

RESULT 14
US-09-909-204-189
; Sequence 189, Application US/09909204
; Publication No. US20030036061A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909,204
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-204-189

Query Match 98.9%; Score 1944.4; DB 10; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
QY 1 CAAATGGAGCTTGTAAAGAGGCTCATGCCATTGACCTCTTAATTTCTCTCTTTGGC 60
Db 960 CAAATGGAGCTTGTAAAGAGGCTCATGCCATTGACCTCTTAATTTCTCTCTTTGGC 1019
QY 61 GGA-CTGCAATGGCGGAGGCTGAAGGCAATGCAAGCTGCAAGCTCAGTCTAGGGGGTGC 119
Db 1020 GGAAGCTGCAATGGCGGAGGCTGAAGGCAATGCAAGCTGCAAGCTCAGTCTAGGGGGTGC 1079
QY 120 CAATATGGCAGAGACCCACAAAGCCATGATCTGCAACTCAATCCAGTGAGAACTGCAC 179
Db 1080 CAATATGGCAGAGACCCACAAAGCCATGATCTGCAACTCAATCCAGTGAGAACTGCAC 1139
QY 180 CTGCAATAGAAAGACCCAGAAAAAAGCAAGCATGAGATTTCTTTCTATGTCCAGCT 239
Db 1140 CTGCAATAGAAAGACCCAGAAAAAAGCAAGCATGAGATTTCTTTCTATGTCCAGCT 1199
QY 240 TGATCCAGATGGAAGCTGTGAAGTGAAGCAATTAAGTCTTTGACGGAACCTCCAGCAA 299
Db 1200 TGATCCAGATGGAAGCTGTGAAGTGAAGCAATTAAGTCTTTGACGGAACCTCCAGCAA 1259

300 TGGGCTCTCTAGGCAAGTCTGAGTAAACAGACTATGTTCTGTTATTTGAATCATC 359
1260 TGGGCTCTCTAGGCAAGTCTGAGTAAACAGACTATGTTCTGTTATTTGAATCATC 1319
360 ATCCAGTCAATGACGTTTCAATAGTACTGACTCAGCAAGAAATCAAGAACTGTCTT 419
1320 ATCCAGTCAATGACGTTTCAATAGTACTGACTCAGCAAGAAATCAAGAACTGTCTT 1379
420 TGTCTTCTACTACT 479
1380 TGTCTTCTACTACT 1439
480 TACCTTGGAGAGTCT 539
1440 TACCTTGGAGAGTCT 1499
540 TTCTGTGTGGCAGATCAAGTGGAGAAAGATTAAGAGATAAATCAAACTCTCAAGAGAT 599
1500 TTCTGTGTGGCAGATCAAGTGGAGAAAGATTAAGAGATAAATCAAACTCTCAAGAGAT 1559
600 TTCTGTGTGGCAGATCAAGTGGAGAAAGATTAAGAGATAAATCAAACTCTCAAGAGAT 659
1560 TTCTGTGTGGCAGATCAAGTGGAGAAAGATTAAGAGATAAATCAAACTCTCAAGAGAT 1619
660 CACCACTCTGGCTGTGATGGAGCAAGTCTGTGGCGGTGACTCCACCTTCGAATCTCTC 719
1620 CACCACTCTGGCTGTGATGGAGCAAGTCTGTGGCGGTGACTCCACCTTCGAATCTCTC 1679
720 ATCAAACTCTCTGACTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCT 779
1680 ATCAAACTCTCTGACTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCT 1739
780 TGCTTCTCACTCAATTTATGAGAGAAACATCAACATCACTCTTTTAACTTGTCTCTTC 839
1740 TGCTTCTCACTCAATTTATGAGAGAAACATCAACATCACTCTTTTAACTTGTCTCTTC 1799
840 TGACAGATGAGAGTATTAATAGCAAACTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 899
1800 TGACAGATGAGAGTATTAATAGCAAACTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1859
900 TAACCTGCACTAAAGACCAACTCTGAGAGCAAAATTAATCAAACTCTCTCTCTCTCTCT 959
1860 TAACCTGCACTAAAGACCAACTCTGAGAGCAAAATTAATCAAACTCTCTCTCTCTCTCT 1919
960 TGTCTCTCTTAATGAGTGTGATCAATCAAGAGGTAGAGATCACTCAATTAATCACTTAC 1019
1920 TGTCTCTCTTAATGAGTGTGATCAATCAAGAGGTAGAGATCACTCAATTAATCACTTAC 1079
1020 CAATATAATCACT 1079
1980 CAATATAATCACT 2039
1080 CCAGATTAATGAGTGTGATCAATCAAGAGGTAGAGATCACTCAATTAATCACTTAC 1139
2040 CCAGATTAATGAGTGTGATCAATCAAGAGGTAGAGATCACTCAATTAATCACTTAC 2099
1140 AGAAGATGATTAATCAAGTGTGATCAATCAAGAGGTAGAGATCACTCAATTAATCACTTAC 2159
2100 AGAAGATGATTAATCAAGTGTGATCAATCAAGAGGTAGAGATCACTCAATTAATCACTTAC 2219
1200 TTTTGAATCCAAATTTTGAAGATCACTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1259
2160 TTTTGAATCCAAATTTTGAAGATCACTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2219
1260 CCAAACT 1319
2220 CCAAACT 2279
1320 TGATACCTGTAGAGCTCTCCACCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1379
2280 TGATACCTGTAGAGCTCTCCACCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2339
1380 GAGTGGATGATCGAGATGAACTTGTAAAGTGTATCCCTTATTTTGGACACTATGGAG 1439

2340 GAGTGGATGATCGAGATGAAACTTGTAAAGTGTATCCCTTATTTGGACACTATGGAG 2399
1440 ATTCAGTGTAAAGTGTAAATTTCTTGAAGATGAGCTGTGTATCTGAGTGTAA 1499
2400 ATTCAGTGTAAAGTGTAAATTTCTTGAAGATGAGCTGTGTATCTGAGTGTAA 2459
1500 AGTTTTGATATGTATGAGTGTAAATTTCTTGAAGATGAGCTGTGTATCTGAGTGTAA 1559
2460 AGTTTTGATATGATGAGTGTAAATTTCTTGAAGATGAGCTGTGTATCTGAGTGTAA 2519
1560 AAGCAACGAGATCAATTTCTTCAATATAAATGGAAGATGAGCTGTGTATCTGAGTGTAA 1619
2520 AAGCAACGAGATCAATTTCTTCAATATAAATGGAAGATGAGCTGTGTATCTGAGTGTAA 2579
1620 TCTGAAAGGATGAGTGTAAATTTCTTCAATATAAATGGAAGATGAGCTGTGTATCTGAGTGTAA 1679
2580 TCTGAAAGGATGAGTGTAAATTTCTTCAATATAAATGGAAGATGAGCTGTGTATCTGAGTGTAA 2639
1680 AAGCAACGAGATCAATTTCTTCAATATAAATGGAAGATGAGCTGTGTATCTGAGTGTAA 1739
2640 AAGCAACGAGATCAATTTCTTCAATATAAATGGAAGATGAGCTGTGTATCTGAGTGTAA 2699
1740 GAATGTGTGATGAGTGTAAATTTCTTCAATATAAATGGAAGATGAGCTGTGTATCTGAGTGTAA 1799
2700 GAATGTGTGATGAGTGTAAATTTCTTCAATATAAATGGAAGATGAGCTGTGTATCTGAGTGTAA 2759
1800 CAATACGAGATGAGTGTAAATTTCTTCAATATAAATGGAAGATGAGCTGTGTATCTGAGTGTAA 1859
2760 CAATACGAGATGAGTGTAAATTTCTTCAATATAAATGGAAGATGAGCTGTGTATCTGAGTGTAA 2819
1860 CTCCAGATGAGTGTAAATTTCTTCAATATAAATGGAAGATGAGCTGTGTATCTGAGTGTAA 1919
2820 CTCCAGATGAGTGTAAATTTCTTCAATATAAATGGAAGATGAGCTGTGTATCTGAGTGTAA 2879
1920 GGGCTGAAAGTGTAAATTTCTTCAATATAAATGGAAGATGAGCTGTGTATCTGAGTGTAA 1957
2880 GGGCTGAAAGTGTAAATTTCTTCAATATAAATGGAAGATGAGCTGTGTATCTGAGTGTAA 2917

RESULT 15
US-09-904-820-189
; Sequence 189, Application US/09904820
; Publication No. US20030036094A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tunas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14

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; CURRENT APPLICATION NUMBER: US/09/904,820
; CURRENT FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-09-904-820-189

Query Match      98.9%; Score 1944.4; DB 10; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY      1 CAAAATGGAGCTTGTGAAGAGGCTCATGCCATTGACCCCTCTTAATTCTCTCTGTTGGC 60
DB      960 CAAAATGGAGCTTGTGAAGAGGCTCATGCCATTGACCCCTCTTAATTCTCTCTGTTGGC 1019

QY      61 GGA-CTGACATGGCGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCAGTGGGGTGC 119
DB      1020 GGAGCTGACATGGCGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCAGTGGGGTGC 1079

QY      120 CAATATGGAGACCCCAAAAGCCATGATCTCTGCAATCTCAATCCAGTGAGAACTGCAC 179
DB      1080 CAATATGGAGACCCCAAAAGCCATGATCTCTGCAATCTCAATCCAGTGAGAACTGCAC 1139

QY      180 CTGGACAATAGAAAGACCGAAGAGTGAAGAGTGAAGAGTGAAGAGTGAAGAGTGAAGAGT 239
DB      1140 CTGGACAATAGAAAGACCGAAGAGTGAAGAGTGAAGAGTGAAGAGTGAAGAGTGAAGAGT 1199

QY      240 TGATCCAGATGGAGGCTGCAAGAGTGAAGAGTGAAGAGTGAAGAGTGAAGAGTGAAGAGT 299
DB      1200 TGATCCAGATGGAGGCTGCAAGAGTGAAGAGTGAAGAGTGAAGAGTGAAGAGTGAAGAGT 1259

QY      300 TGGGCTCTCTCTAGGGCAAGCTTGCAGTAAAAAGCACTATGTTCTGTATTTGAATCATC 359
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DB      1320 ATCCAGTACATTGAGCTTTCAAAATAGTTACTGACTCAGCAAGAAATTCAAAGAACTGCTT 1379

QY      420 TGTCTTCTACTACTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 479
DB      1380 TGTCTTCTACTACTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1439

QY      480 TACCTTTGGAAGGATCTCTTCAACAGCCCAATTTACCCAAAGCCGATCTCTGAGCTGGCTTA 539
DB      1440 TACCTTTGGAAGGATCTCTTCAACAGCCCAATTTACCCAAAGCCGATCTCTGAGCTGGCTTA 1499

QY      540 TTGTCTGTGGCACATACAAAGTGGGAAAGATTAAGAATAAACTAAATCTTCAAGAGAT 599
DB      1500 TTGTCTGTGGCACATACAAAGTGGGAAAGATTAAGAATAAACTAAATCTTCAAGAGAT 1559

QY      600 TTTCTCTAGAAATAGACAAACAGTGCMAATTTGATTTTCTTCCCATCTATGATGCCCTC 659
DB      1560 TTTCTCTAGAAATAGACAAACAGTGCMAATTTGATTTTCTTCCCATCTATGATGCCCTC 1619

QY      660 CACCAACTCTGGCTGATTTGGAAGAGTCTGTGGCGTGTGACTCGGACCTTCGAATGTC 719
DB      1620 CACCAACTCTGGCTGATTTGGAAGAGTCTGTGGCGTGTGACTCGGACCTTCGAATGTC 1679

QY      720 ATCAAACCTCTCTGACTGTCTGTCTGCTACAGATTTATGCCAATTTCTTACCGGGATTTTC 779
DB      1680 ATCAAACCTCTCTGACTGTCTGTCTGCTACAGATTTATGCCAATTTCTTACCGGGATTTTC 1739

QY      780 TGTCTCTACACTCAATTTATGAGAAACATCAACACTCACTCACTTTAACTTCTCTCTCT 839
DB      1740 TGTCTCTACACTCAATTTATGAGAAACATCAACACTCACTCACTTTAACTTCTCTCTCT 1799

QY      840 TGACAGATGAGCTTTATTTAAGCAATCTCTACCTAGAGCTTTTAACTCTTAATGGAA 899
DB      1800 TGACAGATGAGCTTTATTTAAGCAATCTCTACCTAGAGCTTTTAACTCTTAATGGAA 1859

QY      900 TAACTTGCACCTAAAGAGCCCACTTGCAGACCAAAATATCAAAATTTGTGGATTTTC 959
DB      1860 TAACTTGCACCTAAAGAGCCCACTTGCAGACCAAAATATCAAAATTTGTGGATTTTC 1919

QY      960 TGTCCCTCTTAATGAGTGTGTACAAATGGAAGGTAGAAGATCAGTCAATTTACTTACAC 1019
DB      1920 TGTCCCTCTTAATGAGTGTGTACAAATGGAAGGTAGAAGATCAGTCAATTTACTTACAC 1979

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QY      1080 CAGATTTATGAGTGTGAAATGGGACATAATTTCTACAGTGGAGATAATATATATATAC 1139
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QY      1140 AGAAGATGATTAATAACAAAGTCAAAATGCACTGGGCAAAATATAACACAGCATGGCTCT 1199
DB      2100 AGAAGATGATTAATAACAAAGTCAAAATGCACTGGGCAAAATATAACACAGCATGGCTCT 2159

QY      1200 TTTTGAATCCAAATCTTTTGAAGAGCTATCTTGAATCACCCTATTTGTGGATTTGAA 1259
DB      2160 TTTTGAATCCAAATCTTTTGAAGAGCTATCTTGAATCACCCTATTTGTGGATTTGAA 2219

QY      1260 CCAAACTCTTTTGTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGGTGTCT 1319
DB      2220 CCAAACTCTTTTGTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGGTGTCT 2279

QY      1320 TGATAGCTGTAGAGCTCTTCCACCTCTCTGATCTTTGATCTCCAACTTAGCAGCTAATCAA 1379
DB      2280 TGATAGCTGTAGAGCTCTTCCACCTCTCTGATCTTTGATCTCCAACTTAGCAGCTAATCAA 2339

QY      1380 GAGTGAATGTAGTGCAGATGAACTTGTAAAGTGTATCTCTTATTTGGACACTATGGGAG 1439
DB      2340 GAGTGAATGTAGTGCAGATGAACTTGTAAAGTGTATCTCTTATTTGGACACTATGGGAG 2399

QY      1440 ATTCCAGTTTAAATGCTTTTAAATTTCTTGAAGAGTATGAGCTCTGTGTATCTCGAGTGA 1499

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Qy	1560	AAGCAAAACGAGACATTTCTTCATATAAATGAAACAGATTCCATCATAGGACCCATTGG	1619
Db	2520	AAGCAAAACGAGACATTTCTTCATATAAATGAAACAGATTCCATCATAGGACCCATTGG	2579
Qy	1620	TCTGAAAGGGATCGAAGTGCAGTGGCAATTCAGGATTTTCAGCATGAACACATGCGGA	1679
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Qy	1680	AGAACTCCAAACAGGCTTTTCAACAGTGTGCATCTGTTTTCCTTCATGTTCTAGCTCT	1739
Db	2640	AGAACTCCAAACAGGCTTTTCAACAGTGTGCATCTGTTTTCCTTCATGTTCTAGCTCT	2699
Qy	1740	GAATGTGTGACTGTAGGACATCACAGTGGCCATTTGTAAATCAACGGGCAGACTA	1799
Db	2700	GAATGTGTGACTGTAGGACATCACAGTGGCCATTTGTAAATCAACGGGCAGACTA	2759
Qy	1800	CAAAATACAGAGCTGCAGAACTATTAACTAACAGGTCCAACTAGTGAGACATGTTT	1859
Db	2760	CAAAATACAGAGCTGCAGAACTATTAACTAACAGGTCCAACTAGTGAGACATGTTT	2819
Qy	1860	CTCAGGATGCCAAAGGAAATGCTACCTCGTGGCTACACATATTATGAATAATGAGGAA	1919
Db	2820	CTCAGGATGCCAAAGGAAATGCTACCTCGTGGCTACACATATTATGAATAATGAGGAA	2879
Qy	1920	GGGCTGAAAGTGACACACAGGCTGCTGCAAAAAA	1957
Db	2880	GGGCTGAAAGTGACACACAGGCTGCTGCAAAAAA	2917

Search completed: February 18, 2004, 14:04:58
 Job time : 662.37 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: February 18, 2004, 13:28:27 ; Search time 123.748 Seconds
(without alignments)
7798.602 Million cell updates/sec

Title: US-09-864-711-4
Perfect score: 1739
Sequence: 1 cccacgcgtccggggcatg.....tgaaaaaaaaaaaaaa 1739

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:*
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2: /cgn2_6/ptodata/2/ina/5B COMB.seq.*
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5: /cgn2_6/ptodata/2/ina/PCTUS COMB.seq.*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1245.4	71.6	1249	4	US-09-495-050A-187
2	185.2	10.6	7298	3	US-09-009-913-1
3	184.4	10.6	90541	4	US-09-759-359A-3
4	182.8	10.5	148567	4	US-09-801-876B-3
5	182.8	10.5	148567	4	US-10-254-869-3
6	181.6	10.4	14581	4	US-08-520-373D-4
7	181.6	10.4	22481	4	US-08-367-841A-43
8	181.6	10.4	22481	5	PCT-US95-07201-43
9	181.6	10.4	22484	4	US-09-875-223-2
10	181.6	10.4	22484	4	US-09-875-114-2
11	181.6	10.4	202001	4	US-09-734-674-3
12	179	10.3	4736	4	US-09-526-193A-15
13	178.4	10.3	43950	4	US-09-735-934A-3
14	178.4	10.3	43950	4	US-10-060-332-3
15	178.2	10.2	63588	4	US-09-873-404-3
16	178.2	10.2	68804	4	US-09-740-041-3
17	178	10.2	74962	4	US-09-685-853A-3
18	177.2	10.2	20303	1	US-08-370-975B-6
19	177.2	10.2	26764	1	US-08-370-975B-1
20	175.6	10.1	32654	4	US-09-801-191A-3
21	175	10.1	7052	4	US-09-526-193A-22
22	174.4	10.0	99500	4	US-09-798-096-10
23	174.2	10.0	118067	4	US-09-497-855A-32
24	174	10.0	392000	4	US-10-027-983-11
25	173.2	10.0	70000	4	US-09-851-896-3
26	173	9.9	1854	4	US-09-620-312D-992
27	173	9.9	16063	4	US-09-801-052-3

28	173	9.9	16063	4	US-10-020-121-3	Sequence 3, Appli
29	172.8	9.9	5590	3	US-09-050-159-129	Sequence 129, App
30	172.8	9.9	19736	4	US-09-740-035-3	Sequence 3, Appli
31	172.8	9.9	162450	4	US-09-345-882-1	Sequence 1, Appli
32	172.6	9.9	1175	4	US-09-489-847-105	Sequence 105, App
33	172.6	9.9	36159	4	US-09-749-588-3	Sequence 3, Appli
34	172.6	9.9	62804	4	US-09-800-960-3	Sequence 3, Appli
35	172.6	9.9	62804	4	US-10-096-960-3	Sequence 3, Appli
36	172.4	9.9	17000	4	US-09-679-299A-18	Sequence 18, Appl
37	172.4	9.9	152331	3	US-09-128-155-16	Sequence 16, Appl
38	172.2	9.9	81001	4	US-09-750-580-1	Sequence 1, Appli
39	171.8	9.9	2562	2	US-08-436-721-8	Sequence 8, Appli
40	171.8	9.9	2562	2	US-08-434-598-8	Sequence 8, Appli
41	171.8	9.9	2562	2	US-08-487-797-8	Sequence 8, Appli
42	171.8	9.9	2562	5	PCT-US95-02058-8	Sequence 8, Appli
43	171.4	9.9	685	4	US-09-183-266A-16	Sequence 16, Appl
44	171	9.8	500	4	US-09-621-976-15608	Sequence 15608, A
45	170.6	9.8	19011	1	US-08-310-356-36	Sequence 36, Appl

ALIGNMENTS

RESULT 1
US-09-495-050A-187
; Sequence 187, Application US/09495050A
; Patent No. 6492505
; GENERAL INFORMATION:
; APPLICANT: Roopa, Reddy
; APPLICANT: Au-Young, Janice
; TITLE OF INVENTION: COMPOSITION FOR DETECTION OF GENES ENCODING MEMBRANE-ASSOCIATED P
; FILE REFERENCE: PA-0013 US
; CURRENT APPLICATION NUMBER: US/09/495,050A
; CURRENT FILING DATE: 2000-01-31
; PRIOR FILING DATE: February 1, 1999
; NUMBER OF SEQ ID NOS: 305
; SOFTWARE: PERL Program
; SEQ ID NO 187
; LENGTH: 1249
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6492505 2085633CB1
US-09-495-050A-187

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QY	502	TGATAGAGCTCCCACTGAGATTATTTCCCTCCATCACTGAACCTTAACAGGCGCTTTG	561				
Db	61	TGATAGAGCTCCCACTGAGATTATTTCCCTCCATCACTGAACCTTAACAGGCGCTTTG	120				
QY	562	ATCTTGCTTTGGCACAAGCATGCTCTCTGAGCACACTACAAGTCCCTTATGGAAGAG	621				
Db	121	ATCTTGCTTTGGCACAAGCATGCTCTCTGAGCACACTACAAGTCCCTTATGGAAGAG	180				
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QY	682	TGTGACAGGGCGATGCTTAGATGTCGCCAGCAGACCCCTGGGAAATGAGGCTAGG	741				
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QY	742	GAACAAACCAACACTTGTATCTCTTGAAGACTCTTTCTGCTCATTGAGTGGATAAGGCC	801				

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361 CCAGAGATTCAAGTGTGGTTTCTGGGGTTGGGCCCAATCAGAGATCAAGTTTGGGCTT 420
862 TAAGGAGGCCCTCCCTGACCTGAGTGGGCTCCAGGACAGTCTCAGCTGACTGAGTGA 921
421 TAAGGAGGCCCTCCCTGACCTGAGTGGGCTCCAGGACAGTCTCAGCTGACTGAGTGA 480
922 CAGGTGGCTGCTCAAGTCTTCAATCAGTGGGCCAGCAATGATGAGTGTCCAGTGGGCC 981
481 CAGGTGGCTGCTCAAGTCTTCAATCAGTGGGCCAGCAATGATGAGTGTCCAGTGGGCC 540
982 CGATTGCTGACAGACATCCCTCTGCTGTGACCTTCCATCTCCATCTCTCCAC 1041
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1042 ACCTGCTCTCATTTAGGTTCCTGGGCTCTGAATCTGAAATTCACAAATGACCAAT 1101
601 ACCTGCTCTCATTTAGGTTCCTGGGCTCTGAATCTGAAATTCACAAATGACCAAT 660
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1162 CTTGCTTTTACTGACTTCCAAATCTCTTACCCAGCTTTTCAAAATTCATACCACTGTAATC 1221
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1222 CTTCCCTGACTTACCAAGAGACTCAGATGAGCTTCTCTCTCTCTCTCTCTCTCTCTCT 1281
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1201 AGGAGGAGAGGTTGACGTGAGTGTGACCTGACCTGACCTCCAG 1247

ADDRESSEE: Bozicevic & Reed, LLP
STREET: 285 Hamilton Ave, Suite 200
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94301
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/009,913
FILING DATE: 21-JAN-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Sherwood, Pamela J
REGISTRATION NUMBER: 36,677
REFERENCE/DOCKET NUMBER: SEQ-4P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-327-3231
TELEFAX: 650-327-3231
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 72928 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
US-09-009-913-1

Query Match 10.6%; Score 185.2; DB 3; Length 72928;
Best Local Similarity 81.7%; Pred. No. 1.7e-47;
Matches 255; Conservative 0; Mismatches 43; Indels 14; Gaps 3;
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DB 38946 GGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 38887
QY 1489 TGAGTCAAGAGTTTGAACAGAGCTGGCAATATGCAAAACCCCATCTTTA-TAAAA 1547
DB 38886 TGAGTCAAGAGTTTGAACAGAGCTGGCAATATGCAAAACCCCATCTTTA-TAAAA 38827
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DB 38826 TATTAACCTTAGCCAGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 38779
QY 1608 TTGGAGGCTGAGGCGAGAGATCACTTGAATCCAGGAGGAGGTTGAGTGAAGTGA 1667
DB 38778 TTGGAGGCTGAGGCGAGAGATCACTTGAATCCAGGAGGAGGTTGAGTGAAGTGA 38719
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QY 1728 AAAAAA 1739
DB 38659 AAAAAA 38648

RESULT 3
US-09-759-359A-3/c
; Sequence 3, Application US/09759359A
; Patent No. 6492153
; GENERAL INFORMATION:
; APPLICANT: ABU-THREIDEH, Jane et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF

RESULT 6

US-08-520-373D-4/c
; Sequence 4, Application US/08520373D
; Patent No. 6451763
; GENERAL INFORMATION:
; APPLICANT: Tombran-Tink, Joyce
; APPLICANT: Steele, Fintan R
; APPLICANT: Chader, Gerald J
; APPLICANT: Becerra, Sofia P
; APPLICANT: Johnson, Lincoln V
; APPLICANT: Rodriguez, Ignacio R
; TITLE OF INVENTION: RETINAL PIGMENTED EPITHELIUM DERIVED NEUROTROPIC FACTOR
; FILE REFERENCE: 2026-4203US1
; CURRENT APPLICATION NUMBER: US/08/520,373D
; PRIOR FILING DATE: 1995-01-25
; PRIOR APPLICATION NUMBER: 08/377,710
; PRIOR FILING DATE: 1995-08-29
; PRIOR APPLICATION NUMBER: 08/279,979
; PRIOR FILING DATE: 1994-07-25
; PRIOR APPLICATION NUMBER: 07/894,215
; PRIOR FILING DATE: 1992-06-04
; PRIOR APPLICATION NUMBER: 07/952,796
; PRIOR FILING DATE: 1992-09-24
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 4
; LENGTH: 14581
; TYPE: DNA
; ORGANISM: HUMAN
; FEATURE:
; OTHER INFORMATION: mRNA: 6683; EXON: 6683-6790; EXON 11584-11675;
; OTHER INFORMATION: EXON: 14539-14581; INTRON: 6791-11583; INTRON:
; OTHER INFORMATION: 11676-14538; CDS: 11584-11675; 14539-14580
US-08-520-373D-4

Query Match 10.4%; Score 181.6; DB 4; Length 14581;
Best Local Similarity 81.1%; Pred. No. 8.2e-47;
Matches 253; Conservative 0; Mismatches 44; Indels 15; Gaps 3;
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QY 1548 TACAGAAATTAGCCAGGTTGGTGGCTCATGCTGTAATCCCATGCTGTAATCCCGAGCC 1607
DB 9695 TACAAAAATTAGCCGGTGGTGGCTGATGCTGTAATCCCA-----GCTAC 9648
QY 1608 TTGGAGGCTGAGCAGGAGATCACTGTAATCCAGGAGCAGAGTTGCACTGAATGA 1667
DB 9647 TTGGAGGCTAAGCAGGAGAGATCACTGTAATCCAGGAGTTGGAGTTGCACTGA 9588
QY 1668 GATTGGACCACTGCACTCCAGCTGGGCAACACTGAGCAAAACCTGCTGCTGTAATAA 1727
DB 9587 GATCGCGCCACTGCACTCCAGCTGGGCAACA--GAGCAAGACTCCATCTCAAAAAAAA 9530
QY 1728 AAAAAAAGGAAA 1739
DB 9529 AAAAAAAGGAAA 9518

RESULT 7

US-08-367-841A-43/c
; Sequence 43, Application US/08367841A
; Patent No. 6319687
; GENERAL INFORMATION:
; APPLICANT: Chader, Gerald J.; Rodriguez, Ignacio R.; Mazuruk, Krzysztof;
; APPLICANT: Tombran-Tink, Joyce
; TITLE OF INVENTION: PIGMENT EPITHELIUM
; TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC
; TITLE OF INVENTION: ORGANIZATION AND SEQUENCE OF THE PEDF GENE
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan
; STREET: 345 Park Avenue
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/367,841A
; FILING DATE: 30-DEC-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/257,963
; FILING DATE: 07-JUN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/952,796
; FILING DATE: 24-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: DOROTHY R. AUTH
; REGISTRATION NUMBER: 36434
; REFERENCE/DOCKET NUMBER: 20264126US2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 758-4800
; TELEFAX: (212) 751-6849
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22481 Base Pairs
; TYPE: Nucleic Acid
; STRANDEDNESS: Double
; TOPOLOGY: Unknown
; MOLECULE TYPE: Genomic DNA
; FEATURE:
; NAME/KEY: Pl-147
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION: full length genomic
; OTHER INFORMATION: sequence for PEDF plus flanking sequences.
US-08-367-841A-43

Query Match 10.4%; Score 181.6; DB 4; Length 22481;
Best Local Similarity 81.1%; Pred. No. 1.1e-46;
Matches 253; Conservative 0; Mismatches 44; Indels 15; Gaps 3;
QY 1429 GGTAAAGTGGCTGATGCTGTAATCCCAACAGTTTGGAGGCTGAGCCGGCAGATCGCT 1488
DB 9804 GCGCAGTGGCTCAAACTGTAATCCCAACAGTTTGGAGGCTGAGCCGGCAGATCGCT 9745
QY 1489 TGAGTCAAGGATTGAAACAGAGCTGCGCAATATGCAAAACCCCATCTTTA-TAAAAA 1547
DB 9744 TGAGTCAAGGATTGAGACCATCTGCGCAACACTGAGAAACCCCATCTCTCTAATAA 9685
QY 1548 TACAGAAATTAGCCAGGTTGGTGGCTCATGCTGTAATCCCATGCTGTAATCCCGAGCC 1607
DB 9684 TACAAAAATTAGCCGGTGGTGGCTGATGCTGTAATCCCA-----GCTAC 9637
QY 1608 TTGGAGGCTGAGCAGGAGATCACTGTAATCCAGGAGCAGAGTTGCACTGAATGA 1667
DB 9636 TTGGAGGCTAAGCAGGAGAGATCACTGTAATCCAGGAGTTGGAGTTGCACTGA 9577
QY 1668 GATTGGACCACTGCACTCCAGCTGGGCAACACTGAGCAAAACCTGCTGCTGAAAAA 1727
DB 9576 GATCGCGCCACTGCACTCCAGCTGGGCAACA--GAGCAAGACTCCATCTCAAAAAAAA 9519
QY 1728 AAAAAAAGGAAA 1739
DB 9529 AAAAAAAGGAAA 9518

Db 9518 AAAAAAGGAAA 9507

RESULT 8

PCT-US95-07201-43/c

; Sequence 43, Application PC/TUS9507201
; GENERAL INFORMATION:
; APPLICANT: Chader, Gerald J.; Becerra, Sofia
; APPLICANT: Patricia; Schwartz, Joan P.;
; APPLICANT: Taniwaki, Takayuki
; TITLE OF INVENTION: PIGMENT EPITHELIUM
; TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC
; TITLE OF INVENTION: ORGANIZATION AND SEQUENCE OF THE PEDF GENE
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; STREET: 345 Park Avenue
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10154

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy Disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1

CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/07201
FILING DATE: 06-JUN-1995

CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/367,841
FILING DATE: 30-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/257,963
FILING DATE: 07-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/952,796
FILING DATE: 24-SEP-1992
ATTORNEY/AGENT INFORMATION:

NAME: DOROTHY R. AUTH
REGISTRATION NUMBER: 36434
REFERENCE/DOCKET NUMBER: 20264126PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEFAX: (212) 751-6849
INFORMATION FOR SEQ ID NO: 43:

SEQUENCE CHARACTERISTICS:

LENGTH: 22481 Base Pairs
TYPE: Nucleic Acid
STRANDEDNESS: Double
TOPOLOGY: Unknown
MOLECULE TYPE: Genomic DNA
FEATURE:

NAME/KEY: PL-147

IDENTIFICATION METHOD:

OTHER INFORMATION: full length genomic
OTHER INFORMATION: sequence for PEDF plus flanking sequences.

PCT-US95-07201-43

Query Match 10.4%; Score 181.6; DB 5; Length 22481;
Best Local Similarity 81.1%; Pred. No. 1.1e-46;
Matches 253; Conservative 0; Mismatches 44; Indels 15; Gaps 3;

QY 1429 GGTAAGTGGCTCATGCTGTAATCCCAACAGTTTGGAGGCTGAGCGCGGAGATCGCT 1488

Db 9804 GGCCAGTGGCTCAAACTGTAATCCCGACATTTGAGAGCGCGAGCGGCTAGATCACC 9745

QY 1489 TGAGGTGAGGAGTTGAAACAGCCTGGCCCAATATGCAAAACCCCATCTTTA-TAAAAA 1547

Db 9744 TGAGGTGAGGAGTTGAGACCATCTTGGCCCAACATGAGAAACCCCATCTCTACTAAAAA 9685

QY 1548 TACAGAAATTAGCCAGGTGTGGTCTCATGCTGTAATCCCATGCTGTAATCCAGCC 1607
Db 9684 TACAAAAATTAGCGGGTGTGGTGGCGCATGCTGTAATCCCA-----GCTAC 9637
QY 1608 TTGGAGGCTGAGGAGGAGAAATCACTTGAATCCAGAGGAGGAGGTTGAGTGAATGA 1667
Db 9636 TTGGAGGCTGAGGAGGAGAAATCACTTGAATCCAGAGGAGGAGGTTGAGTGAATGA 9577
QY 1668 GATTGAGACCACTGCACCTCCAGCCTGGGCAACACTGAGCAAAACTGCTGTGCTGAAAAA 1727
Db 9576 GATCGCGCACTGCACCTCCAGCCTGGGCAACA--GAGCAAGACTCCCATCTCAAAAAAAA 9519
QY 1728 AAAAAAAGGAAA 1739
Db 9518 AAAAAAAGGAAA 9507

RESULT 9

US-09-875-223-2/c
; Sequence 2, Application US/09875223
; Patent No. 6391850

GENERAL INFORMATION:

; APPLICANT: No. 6391850western University
; APPLICANT: No. 63918501 Bouck
; APPLICANT: David Dawson
; APPLICANT: Paul Gillis

; TITLE OF INVENTION: Methods and Compositions for Inhibiting Angiogenesis

; FILE REFERENCE: 0290-23U3

; CURRENT APPLICATION NUMBER: US/09/875,223

; CURRENT FILING DATE: 2001-06-06

; PRIOR APPLICATION NUMBER: US 09/122,079

; PRIOR FILING DATE: 1998-07-23

; PRIOR APPLICATION NUMBER: PCT/US98/15228

; PRIOR FILING DATE: 1998-07-23

; PRIOR APPLICATION NUMBER: US 08/899,304

; PRIOR FILING DATE: 1997-07-23

; NUMBER OF SEQ ID NOS: 2

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 2

; LENGTH: 22484

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: Unsure

; LOCATION: 1...22484

; OTHER INFORMATION: "n" means either a, c, t, or g

US-09-875-223-2

Query Match

10.4%; Score 181.6; DB 4; Length 22484;

Best Local Similarity 81.1%; Pred. No. 1.1e-46;

Matches 253; Conservative 0; Mismatches 44; Indels 15; Gaps 3;

QY 1429 GGTAAGTGGCTCATGCTGTAATCCCAACAGTTTGGAGGCTGAGCGCGGAGATCGCT 1488

Db 9804 GGCCAGTGGCTCAAACTGTAATCCCGACATTTGAGAGCGCGAGCGGCTAGATCACC 9745

QY 1489 TGAGGTGAGGAGTTGAAACAGCCTGGCCCAATATGCAAAACCCCATCTTTA-TAAAAA 1547

Db 9744 TGAGGTGAGGAGTTGAGACCATCTTGGCCCAACATGAGAAACCCCATCTCTACTAAAAA 9685

QY 1548 TACAGAAATTAGCCAGGTGTGGTCTCATGCTGTAATCCCATGCTGTAATCCAGCC 1607

Db 9684 TACAAAAATTAGCGGGTGTGGTGGCGCATGCTGTAATCCCA-----GCTAC 9637

QY 1608 TTGGAGGCTGAGGAGGAGAAATCACTTGAATCCAGAGGAGGAGGTTGAGTGAATGA 1667

Db 9636 TTGGAGGCTGAGGAGGAGAAATCACTTGAATCCAGAGGAGGAGGTTGAGTGAATGA 9577

QY 1668 GATTGAGACCACTGCACCTCCAGCCTGGGCAACACTGAGCAAAACTGCTGTGCTGAAAAA 1727

Db 9576 GATCGCGCACTGCACCTCCAGCCTGGGCAACA--GAGCAAGACTCCCATCTCAAAAAAAA 9519

QY 1728 AAAAAAAGGAAA 1739

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Db 9518 AAAAAAGGAAA 9507

RESULT 10
US-09-875-114-2/c
; Sequence 2, Application US/09875114
; Patent No. 6670333
; GENERAL INFORMATION:
; APPLICANT: No. 6670333thwestern University
; APPLICANT: No. 66703331 Bouck
; APPLICANT: David Dawson
; APPLICANT: Paul Gillis
; TITLE OF INVENTION: Methods and Compositions for Inhibiting Angiogenesis
; FILE REFERENCE: 0290-23U2
; CURRENT APPLICATION NUMBER: US/09/875,114
; CURRENT FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: US 09/122,079
; PRIOR FILING DATE: 1998-07-23
; PRIOR APPLICATION NUMBER: PCT/US98/15228
; PRIOR FILING DATE: 1998-07-23
; PRIOR APPLICATION NUMBER: US 08/899,304
; PRIOR FILING DATE: 1997-07-23
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 2
; LENGTH: 22484
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: Unsure
; LOCATION: 1...22484
; OTHER INFORMATION: "n" means either a, c, t, or g
; US-09-875-114-2

Query Match 10.4%; Score 181.6; DB 4; Length 22484;
Best Local Similarity 81.1%; Pred. No. 1.1e-46;
Matches 253; Conservative 0; Mismatches 44; Indels 15; Gaps 3;

QY 1429 GGTAAAGTGGCTCATGCTGTAATCCCAACAGTTGGAGGCTGAGCCGCGAGATCGCT 1488
Db 9804 GCGCAGTGGCTCAACCTGTAATCCCAACAGTTGGAGGCTGAGCCGCGAGATCGCT 9745
QY 1489 TGAGTGCAGGAGTTTGAACACAGCTGCGCCAAATATGGCAAAACCCCATCTTTA-TAAAAA 1547
Db 9744 TGAGTGCAGGAGTTTGAACACAGCTGCGCCAAATATGGCAAAACCCCATCTTTA-TAAAAA 9685
QY 1548 TACAGAAATAGCCAGGTGGTGGCTCATGCTGTAATCCCAACAGTTGGAGGCTGAGCCGCGAGATCGCT 1607
Db 9684 TACAAAAATAGCCAGGTGGTGGCTCATGCTGTAATCCCAACAGTTGGAGGCTGAGCCGCGAGATCGCT 9637
QY 1608 TTGGAGGCTGAGGAGGAGGAGTCACTTGAATCCAGGAGGAGGAGTGGCACTGA 1667
Db 9636 TTGGAGGCTGAGGAGGAGGAGTCACTTGAATCCAGGAGGAGTGGCACTGA 9577
QY 1668 GATTGACCACTGCACTCAGCTGCGCAACAGTGGCAACAGTGGCAACAGTGGCTGCTGTAATAAAAA 1727
Db 9576 GATCGCGCACTGCACTCAGCTGCGCAACAGTGGCAACAGTGGCAACAGTGGCTGCTGTAATAAAAA 9519
QY 1728 AAAAAA 1739
Db 9518 AAAAAAGGAAA 9507

RESULT 11
US-09-734-674-3
; Sequence 3, Application US/09734674
; Patent No. 6498022
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui et al
; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
; TITLE OF INVENTION: AND USES THEREOF

FILE REFERENCE: CL001018
; CURRENT APPLICATION NUMBER: US/09/734,674
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 202001
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(202001)
; OTHER INFORMATION: n = A, T, C or G
; US-09-734-674-3

Query Match 10.4%; Score 181.6; DB 4; Length 202001;
Best Local Similarity 79.7%; Pred. No. 4.8e-46;
Matches 244; Conservative 0; Mismatches 49; Indels 13; Gaps 2;

QY 1435 GTGGCTCATGCTGTAATCCCAACAGTTGGAGGCTGAGCCGCGAGATCGCTGAGGT 1494
Db 72654 GTGGCTCATGCTGTAATCCCAACAGTTGGAGGCTGAGCCGCGAGATCGCTGAGGT 72713
QY 1495 CAGGAGTTTGAACACAGCTGCGCCAAATATGGCAAAACCCCATCTTTA-TAAAAATACAGA 1553
Db 72714 CAGGAGTTTGAACACAGCTGCGCCAAATATGGCAAAACCCCATCTTTA-TAAAAATACAGA 72773
QY 1554 AATTAGCCAGGTGGTGGCTCATGCTGTAATCCCAACAGTTGGAGGCTGAGCCGCGAGATCGCT 1613
Db 72774 AATTAGCTGGTGGTGGCTCATGCTGTAATCCCAACAGTTGGAGGCTGAGCCGCGAGATCGCT 72821
QY 1614 GGCTGAGGAGGAGTCACTTGAATCCAGGAGGAGGTTGAGTGAACCTGAGATGG 1673
Db 72822 GGCTGAGGAGGAGTCACTTGAATCCAGGAGGAGGTTGAGTGAACCTGAGATGG 72881
QY 1674 ACCACTGCACCTCCAGCTGGGCAACAGTGGCAACAGTGGCTGCTGCTGTAATAAAAAA 1733
Db 72882 ACCACTGCACCTCCAGCTGGGCAACAGTGGCAACAGTGGCTGCTGCTGTAATAAAAAA 72941
QY 1734 AAAAAA 1739
Db 72942 AAGAAA 72947

RESULT 12
US-09-526-193A-15/c
; Sequence 15, Application US/09526193A
; Patent No. 6617122
; GENERAL INFORMATION:
; APPLICANT: Hayden, Michael R.
; APPLICANT: Brooks-Wilson, Angela R.
; APPLICANT: Pimstone, Simon N.
; TITLE OF INVENTION: METHODS AND REAGENTS FOR MODULATING
; TITLE OF INVENTION: CHOLESTEROL LEVELS
; FILE REFERENCE: 50110/002005
; CURRENT APPLICATION NUMBER: US/09/526,193A
; CURRENT FILING DATE: 2000-03-15
; PRIOR APPLICATION NUMBER: 60/124,702
; PRIOR FILING DATE: 1999-03-15
; PRIOR APPLICATION NUMBER: 60/138,048
; PRIOR FILING DATE: 1999-06-08
; PRIOR APPLICATION NUMBER: 60/139,600
; PRIOR FILING DATE: 1999-06-17
; PRIOR APPLICATION NUMBER: 60/151,977
; PRIOR FILING DATE: 1999-09-01
; NUMBER OF SEQ ID NOS: 287
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 4736
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-526-193A-15
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Query Match 10.3%; Score 179; DB 4; Length 4736;
Best Local Similarity 75.7%; Pred. No. 2.6e-46;
Matches 240; Conservative 0; Mismatches 65; Indels 12; Gaps 1;

QY 1423 GTGGTTGGTAAAGTGGCTCATGCTGTATATCCACAGTTTGGAGGCTGAGCGCGGAG 1482
DB 1772 GTGGCTGGCGCAGTGGCTCTGCTGTATATCCAGAACTTTCGAGGCGCAAGCGAGCGG 1713
QY 1483 ATGCTTTGAGGTCAGGAGTTTGAACCCAGCTGGCCAAATATGGCAAAACCCCATCTTTAT 1542
DB 1712 ATCACTGAGGTCAGGAGTTTGAACCCAGCTGGCCAAATATGGCAAAACCCCATCTTTAT 1653
QY 1543 AAAATACAGAAATACAGGAGTGGCTGTATATCCAGAACTTTCGAGGCTGAGCGCGGAG 1602
DB 1652 TAAAAATACAAATATACGCGGCGTGGTGTATATCCAGAACTTTCGAGGCTGAGCGCGGAG 1605
QY 1603 CAGCTTGGAGGCTCAGGAGGAGATCACTTGAATCCAGAGGCGAGAGGTTGCGAGTGA 1662
DB 1604 GCTACTTGGAGGCTCAGGAGGAGATCACTTGAATCCAGAGGCGAGAGGTTGCGAGTGA 1545
QY 1663 ACTGAGATTGAGCACTGCACTCCAGCTGGGCAACACTGAGCAAACTGCTGTGCTGTA 1722
DB 1544 GCTGAGATCACGCACTGCACTCCGCTGGGCGAGAGGAGGAGTGTGCTGTGTA 1485
QY 1723 AAAAAAAAAAAAAAAAAA 1739
DB 1484 AAAAAAAAAAAAAAAAAA 1468

RESULT 13
US-09-735-934A-3/c
; Sequence 3, Application US/09735934A
; Patent No. 6372468
; GENERAL INFORMATION:
; APPLICANT: LI, JIAYIN et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL000851
; CURRENT APPLICATION NUMBER: US/09/735, 934A
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 43950
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-735-934A-3

Query Match 10.3%; Score 178.4; DB 4; Length 43950;
Best Local Similarity 77.5%; Pred. No. 1.8e-45;
Matches 234; Conservative 0; Mismatches 56; Indels 12; Gaps 1;

QY 1430 GTAAAGTGGCTCATGCTGTATATCCCAAGTTTGGAGGCTGAGCGCGGAGATCGCTT 1489
DB 12054 GCATGGTGGCTCAGCGCTGTATATCCCAAGTTTGGAGGCTGAGCGCGGAGATCGCTT 11995
QY 1490 GAGTTCAGGAGTTTGAACCCAGCTGGCCAAATATGGCAAAACCCCATCTTTATAAAATA 1549
DB 11994 GAGTTCAGGAGTTTGAACCCAGCTGGCCAAATATGGCAAAACCCCATCTTTATAAAATA 11935
QY 1550 CAGAAATTAGCAGGTTGGTGTGCTCATGCTGTATATCCCAAGTTTGGAGGCTGAGCGCGGAG 1609
DB 11934 ACATTTAGCAGGTTGGTGTGCTCATGCTGTATATCCCAAGTTTGGAGGCTGAGCGCGGAG 11887
QY 1610 GGGAGGCTGAGGAGGAGATCACTTGAATCCAGAGGCGAGAGGTTGCACTGAGTGA 1669
DB 11886 CGGAGGCTGAGGAGGAGATCACTTGAATCCAGAGGCGAGAGGTTGCACTGAGTGA 11827
QY 1670 TTGACCACTGCACTCCAGCTGGGCAACACTGAGCAAACTGCTGTGCTGAAAAAATA 1729
DB 11826 TCAGCCACTGCACTCCAGCTGGGCAACACTGAGCAAACTGCTGTGCTGAAAAAATA 11767

QY 1730 AA 1731
DB 11766 GA 11765

RESULT 14
US-10-060-332-3/c
; Sequence 3, Application US/10060332
; Patent No. 6528294
; GENERAL INFORMATION:
; APPLICANT: LI, JIAYIN et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL000851DIV
; CURRENT APPLICATION NUMBER: US/10/060,332
; CURRENT FILING DATE: 2002-02-01
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 43950
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-332-3

Query Match 10.3%; Score 178.4; DB 4; Length 43950;
Best Local Similarity 77.5%; Pred. No. 1.8e-45;
Matches 234; Conservative 0; Mismatches 56; Indels 12; Gaps 1;

QY 1430 GTAAAGTGGCTCATGCTGTATATCCCAAGTTTGGAGGCTGAGCGCGGAGATCGCTT 1489
DB 12054 GCATGGTGGCTCAGCGCTGTATATCCCAAGTTTGGAGGCTGAGCGCGGAGATCGCTT 11995
QY 1490 GAGTTCAGGAGTTTGAACCCAGCTGGCCAAATATGGCAAAACCCCATCTTTATAAAATA 1549
DB 11994 GAGTTCAGGAGTTTGAACCCAGCTGGCCAAATATGGCAAAACCCCATCTTTATAAAATA 11935
QY 1550 CAGAAATTAGCAGGTTGGTGTGCTCATGCTGTATATCCCAAGTTTGGAGGCTGAGCGCGGAG 1609
DB 11934 ACATTTAGCAGGTTGGTGTGCTCATGCTGTATATCCCAAGTTTGGAGGCTGAGCGCGGAG 11887
QY 1610 GGGAGGCTGAGGAGGAGATCACTTGAATCCAGAGGCGAGAGGTTGCACTGAGTGA 1669
DB 11886 CGGAGGCTGAGGAGGAGATCACTTGAATCCAGAGGCGAGAGGTTGCACTGAGTGA 11827
QY 1670 TTGACCACTGCACTCCAGCTGGGCAACACTGAGCAAACTGCTGTGCTGAAAAAATA 1729
DB 11826 TCAGCCACTGCACTCCAGCTGGGCAACACTGAGCAAACTGCTGTGCTGAAAAAATA 11767

QY 1730 AA 1731
DB 11766 GA 11765

RESULT 15
US-09-735-404-3/c
; Sequence 3, Application US/09873404
; Patent No. 6500656
; GENERAL INFORMATION:
; APPLICANT: WEBSTER, Marion et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL001212-CIP
; CURRENT APPLICATION NUMBER: US/09/873,404
; CURRENT FILING DATE: 2001-06-05
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 63588
; TYPE: DNA
; ORGANISM: Human
; FEATURE:

Thu Feb 19 13:28:49 2004

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; NAME/KEY: misc feature
; LOCATION: (1)_(63588)
; OTHER INFORMATION: n = A,T,C or G
US-09-873-404-3

Query Match      10.2%; Score 178.2; DB 4; Length 63588;
Best Local Similarity 77.0%; Pred. No. 2.7e-45;
Matches 235; Conservative 0; Mismatches 58; Indels 12; Gaps 1;

QY 1429 GGTAAAGTGGCTCATGCGCTTAATCCCAACAGCTTGGGAGGCTGAGCGCGCAGATCGCT 1488
Db 52178 GGCACAGTGGCTCACCTGTAATCCCAAGCTTGGGAGGCTGAGTGGTGAATCACC 52119

QY 1489 TGAGGTCAGGAGTTTGAACCAACAGCTGCGCCAAATATGCCAAACCCCAATCTTTATAAAAT 1548
Db 52118 TCAGTCCGGAGTTTCGAGACCAGCTGACCAACATGGTGAACCCCTGCTCTATTAAAAA 52059

QY 1549 ACAGAAATAGCCAGGTGTGGTGTGCTCATGCTGTATCCCATGCTGTATCCAGCCT 1608
Db 52058 TACAAAATTAGTCAGGCGTGGTGGCGCATGCTGTATCCCA-----GCTACT 52011

QY 1609 TGGGAGGCTGAGGCAGGAGAAATCACTTGAATCCAGGAGGAGGTTGCAGTGAACCTGAG 1668
Db 52010 TGGGAGGCTGAGGCAGGAGAAATCACTTGAATCCAGGAGGAGGTTGTGTTGAACCTGAG 51951

QY 1689 ATTGACCACTGCACCTCCAGCTTGGGCAACACTGAGCAAACTGCCTGTGCTGNAAAAAA 1728
Db 51950 ATTGTGCCATTGCACTCCAGCTTGGGCAACAGGCGGAACTTGTCTCAAAAAA 51891

QY 1729 AAAAA 1733
Db 51890 AAGA 51886
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Search completed: February 18, 2004, 13:36:47
Job time : 130.748 secs

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OM nucleic - nucleic search, using sw model

Run on: February 18, 2004, 13:28:27 ; Search time 580.583 Seconds
(without alignments)
10488.348 Million cell updates/sec

Title: US-09-864-711-4
Perfect score: 1739
Sequence: 1 cccacggtccggggcgcgcatg.....tgaaaaaaaaaaaaaaaaaaaaa 1739

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2308684 seqs, 1750822206 residues 4617368

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:

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- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:
- 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:
- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:
- 9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq:
- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq:
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq:
- 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:
- 13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq:
- 14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq:
- 15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:
- 16: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:
- 17: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:
- 18: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1739	100.0	1739	9	US-09-864-711-4
2	1372	78.9	1420	9	US-09-872-153-9
3	1245.4	71.6	1249	14	US-10-313-542-187
C 4	402	23.1	402	14	US-10-060-036-3766
C 5	402	23.1	402	14	US-10-060-036-4049
C 6	192.6	11.1	2655	15	US-10-027-632-250936
C 7	192.6	11.1	2655	15	US-10-027-632-250937
C 8	192.6	11.1	2655	15	US-10-027-632-250938
C 9	192.6	11.1	2655	15	US-10-027-632-250939
C 10	190.8	11.0	108317	15	US-10-017-161-2143
C 11	180.8	11.0	188317	14	US-10-017-161-2143
C 12	189.4	10.9	35425	14	US-10-017-161-2429
C 13	189.4	10.9	35425	15	US-10-292-798-2069
C 14	187.6	10.8	1960	15	US-10-108-260A-1665
C 15	185.8	10.7	2049	15	US-10-027-632-99848

16	185.4	10.7	176001	16	US-10-210-556-27	Sequence 27, Appl
17	185.4	10.7	186739	16	US-10-210-556-19	Sequence 19, Appl
C 18	185.2	10.6	22111	16	US-10-212-993-11	Sequence 11, Appl
19	185.2	10.6	69770	15	US-10-292-798-1323	Sequence 1323, Ap
20	184.4	10.6	5197	9	US-09-860-670-248	Sequence 248, App
21	184.4	10.6	5197	15	US-10-027-646-248	Sequence 248, App
22	184.4	10.6	14426	9	US-09-860-670-249	Sequence 249, App
23	184.4	10.6	14426	9	US-09-860-670-252	Sequence 252, App
24	184.4	10.6	14426	15	US-10-027-646-249	Sequence 249, App
25	184.4	10.6	14426	15	US-10-027-646-252	Sequence 252, App
C 26	184.4	10.6	90541	9	US-09-759-359A-3	Sequence 3, Appli
C 27	184.4	10.6	90541	14	US-10-207-973-3	Sequence 3, Appli
28	184	10.6	2453	15	US-10-027-632-103082	Sequence 103082,
29	184	10.6	2453	15	US-10-027-632-103083	Sequence 103083,
30	184	10.6	2453	15	US-10-027-632-112196	Sequence 112196,
31	183.4	10.5	14448	9	US-09-860-670-250	Sequence 250, App
32	183.4	10.5	14448	15	US-10-027-646-250	Sequence 250, App
33	183.4	10.5	14451	9	US-09-860-670-253	Sequence 253, App
34	183.4	10.5	14451	15	US-10-027-646-253	Sequence 253, App
35	183.2	10.5	3058	15	US-10-027-632-114029	Sequence 114029,
36	183	10.5	1417	9	US-09-764-869-2150	Sequence 2150, Ap
37	183	10.5	1417	14	US-10-091-504-2150	Sequence 2150, Ap
38	182.8	10.5	1417	15	US-10-027-577-2150	Sequence 251, App
39	182.8	10.5	1417	9	US-09-860-670-251	Sequence 251, App
40	182.8	10.5	1417	15	US-10-027-646-251	Sequence 251, App
41	182.8	10.5	148567	9	US-09-801-876B-3	Sequence 3, Appli
42	182.8	10.5	148567	14	US-10-254-869-3	Sequence 3, Appli
C 43	182.6	10.5	556	15	US-10-027-632-128662	Sequence 128662,
C 44	182.6	10.5	29921	13	US-10-083-853-1	Sequence 1, Appli
C 45	182.2	10.5	541	15	US-10-027-632-228604	Sequence 228604,

ALIGNMENTS

RESULT 1

US-09-864-711-4
; Sequence 4, Application US/09864711
; Patent No. US20020077309A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR PANCREATIC DISORDERS
; FILE REFERENCE: PB-0008-1 CIP
; CURRENT APPLICATION NUMBER: US/09/864,711
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PERL Program
; SEQ ID NO 4
; LENGTH: 1739
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: 888309CBI
US-09-864-711-4

Query Match	100.0%;	Score 1739;	DB 9;	Length 1739;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 1739;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	CCCACGGCTCCGGGGGCGATGACCTGAGGTCAAGGAAATGGGCTTCCAAATCCATTG	60	
Db	1	CCCACGGCTCCGGGGGCGATGACCTGAGGTCAAGGAAATGGGCTTCCAAATCCATTG	60	
Qy	61	CTGTAAAGCCAGTGGGTTTGCAGGATAGGAGGCGAGGGTTGAGCAAAATTTCCAGGTCA	120	
Db	61	CTGTAAAGCCAGTGGGTTTGCAGGATAGGAGGCGAGGGTTGAGCAAAATTTCCAGGTCA	120	
Qy	121	GCTGCTGGCGCGTGGCTCAGGAAATGGTTCTGACATGGGCGAGCTTGAACCTTGAGGGA	180	
Db	121	GCTGCTGGCGCGTGGCTCAGGAAATGGTTCTGACATGGGCGAGCTTGAACCTTGAGGGA	180	

193 AGATGATAATTTCTGCTAAATGTAGAGCTATGTTTTTCATAGCCACAGGGTCTTTCATGTCAG 252
181 AGATGATAATTTCTGCTAAATGTAGAGCTATGTTTTTCATAGCCACAGGGTCTTTCATGTCAG 240
253 GGCATGGGAGAGCTTCTGGGAGCAAGTCACTACTGCTCTCTGAGCGCTGAATATCCTCATC 312
241 GGCATGGGAGAGCTTCTGGGAGCAAGTCACTACTGCTCTCTGAGCGCTGAATATCCTCATC 300
313 TGTAATAAGAGTAAGGTAATTAATAATACCCACCATACAGGGCTATTGTGAGAACTAAA 372
301 NNN 360
373 TCAGAGAGTCCAAATTTGGGAGCGCTCAGAGGTGATGAATTTCTGCTCCAGGAGTTAAG 432
361 TCAGAGAGTCCAAATTTGGGAGCGCTCAGAGGTGATGAATTTCTGCTCCAGGAGTTAAG 420
433 CAAGCAGAGTGAATGTCCTCATGGGTAGGATGTCATAGACAAACAGCACTTAAGCCCTG 492
421 CAAGCAGAGTGAATGTCCTCATGGGTAGGATGTCATAGACAAACAGCACTTAAGCCCTG 480
493 GACAGGGGATGGATGAGCTCCCACTGAGATTAATTTCCCTCCATCACTGAATCTTAACAA 552
481 GACAGGGGATGGATGAGCTCCCACTGAGATTAATTTCCCTCCATCACTGAATCTTAACAA 540
553 GGCCCTTTCATCTTGCTTTGGCAGAGCATGCTTCTCTGAGCAGACACTCAAGTCCCT 612
541 GGCCCTTTCATCTTGCTTTGGCAGAGCATGCTTCTCTGAGCAGACACTCAAGTCCCT 600
613 ATGGAAGAGAGAGTGTCTAGGAGCAGGACAGAGAGGAGTGAACACATTTGGAAAAG 672
601 ATGGAAGAGAGAGTGTCTAGGAGCAGGACAGAGAGGAGTGAACACATTTGGAAAAG 660
673 GAGCCAGAGTGAACAGGCGAGTCTAGATGTCGCCAGAGACCCCTGGGAATG 732
661 GAGCCAGAGTGAACAGGCGAGTCTAGATGTCGCCAGAGACCCCTGGGAATG 720
733 AGGGGTAGGAGAAACCAACAACTTGATCTCTTGAAGACTCTTCTGCTCAATGAGTG 792
721 AGGGGTAGGAGAAACCAACAACTTGATCTCTTGAAGACTCTTCTGCTCAATGAGTG 780
793 GATAAGGAGAGAGTGTCTAGTGTGTTTCTGGGGTTTGGGCCCATCAAGAGTCAGT 852
781 GATAAGGAGAGAGTGTCTAGTGTGTTTCTGGGGTTTGGGCCCATCAAGAGTCAGT 840
853 TTTGGGCTTTAAGAGGCGCTCCTGTACTGATGGGCTTCAAGAGACAGTCTCAGCTGA 912
841 TTTGGGCTTTAAGAGGCGCTCCTGTACTGATGGGCTTCAAGAGACAGTCTCAGCTGA 900
913 CTGAGTGAAGAGTGGCTGCTCAAGTCTTCAATGAGTGGCCAGGCAATGATGAGTGC 972
901 CTGAGTGAAGAGTGGCTGCTCAAGTCTTCAATGAGTGGCCAGGCAATGATGAGTGC 960
973 CAGTGGGCGCCATTTGCTGAGACACATCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1032
961 CAGTGGGCGCCATTTGCTGAGACACATCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1020
1033 TTTCTCCACACCCCTGCTCTCAATTTAGGTTTCTGCGCTCTGAACTCTGAAATTCACAA 1092
1021 TTTCTCCACACCCCTGCTCTCAATTTAGGTTTCTGCGCTCTGAACTCTGAAATTCACAA 1080
1093 ATGACACATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1152
1081 ATGACACATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1140
1153 ATGCGTTTCACTTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1212
1141 ATGCGTTTCACTTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1200
1213 CTGTGAATCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1272
1201 CTGTGAATCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1260

1273 TGATCTGTACATACATCTCTGCTGTATCTTTATCATATTTGAAGTATAATAAACTGTGAT 1332
1261 TGATCTGTACATACATCTCTGCTGTATCTTTATCATATTTGAAGTATAATAAACTGTGAT 1320
1333 ATGTTGGTGTTTACACAGACCAAGAAATCTCTCATGGGCCAAGTCCATGCTTATTTACT 1392
1321 ATGTTGGTGTTTACACAGACCAAGAAATCTCTCATGGGCCAAGTCCATGCTTATTTACT 1380
1393 TCATGTTGAAGCACCTAGCATTTGAGAAAGTGTGTTGGTA 1432
1381 TCATGTTGAAGCACCTAGCATTTGAGAAAGTGTGTTGGTA 1420

RESULT 3
US-10-313-542-187
; Sequence 187, Application US/10313542
; Publication No. US20030120057A1
; GENERAL INFORMATION:
; APPLICANT: Roopa, Reddy
; APPLICANT: Guegler, Karl, J.
; APPLICANT: Au-Young, Janice
; TITLE OF INVENTION: COMPOSITION FOR DETECTION OF GENES ENCODING MEMBRANE-ASSOCIATED I
; FILE REFERENCE: PA-0013 US
; CURRENT APPLICATION NUMBER: US/10/313,542
; CURRENT FILING DATE: 2002-12-05
; PRIOR APPLICATION NUMBER: US/09/495,050
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/118,318
; PRIOR FILING DATE: 1999-02-01
; NUMBER OF SEQ ID NOS: 305
; SOFTWARE: PERL Program
; SEQ ID NO 187
; LENGTH: 1249
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030120057A1 2085633CB1
US-10-313-542-187

Query Match 71.6%; Score 1245.4; DB 14; Length 1249;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1246; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

442 TGAGATGTCCTCATGGTGTAGGGATGTCATAGACAAACAGCACTAAGCCTTGGACAGGGA 501
1 TGAGATGTCCTCATGGTGTAGGGATGTCATAGACAAACAGCACTAAGCCTTGGACAGGGA 60
502 TGGATGAGCCTCCCACTGAGATTAATTTCCCTCCATCACTGAACCTTAAACAGGCGCTTTG 561
61 TGGATGAGCCTCCCACTGAGATTAATTTCCCTCCATCACTGAACCTTAAACAGGCGCTTTG 120
562 ATCTTGGCTTTGGCAACAGCATGCTTCTCTGAGCACTACACAGTCCCTATGGAAGAG 621
121 ATCTTGGCTTTGGCAACAGCATGCTTCTCTGAGCACTACACAGTCCCTATGGAAGAG 180
622 AGAGTGTCTAGGACAGGACAGGAGGAGCATGACACATTTGGAACAGGAGCCACAG 681
181 AGAGTGTCTAGGACAGGACAGGAGGAGCATGACACATTTGGAACAGGAGCCACAG 240
682 TGTGAACAGGCGCATGCTTAGATGTCGCCAGGAGACCCCTGGGAAATGAGGGGTAGG 741
241 TGTGAACAGGCGCATGCTTAGATGTCGCCAGGAGACCCCTGGGAAATGAGGGGTAGG 300
742 GAACACCAACCACTTGTATCTCTTGAAGCTTTTCTGCTCAATGAGTGAATAAGGCC 801
301 GAACACCAACCACTTGTATCTCTTGAAGCTTTTCTGCTCAATGAGTGAATAAGGCC 360
802 CCAGAGATTCAAGTGTGTTTCTGGGCTTTGGGCGCCATCACAGAGTCAGATTTTGGGCTT 861
361 CCAGAGATTCAAGTGTGTTTCTGGGCTTTGGGCGCCATCACAGAGTCAGATTTTGGGCTT 420
862 TAAGAGGCGCTTCCCTGTATCCTGTGATGGGCTTCCAGAGACAGTCTCAGTCACTGAGTGAG 921

Db 342 TCCTTCATCAGTGGCCAGCAAAATGATGAGTGTCCAGTGGGCCCAATGCTTGCAGACACA 283
QY 1000 TCCTCTGTGCTGTGACTTTCACTTCCATCTCCTTCTCCACACCCCTGCTCTCATTTTAG 1059
Db 282 TCCTCTGTGCTGTGACTTTCACTTCCATCTCCTTCTCCACACCCCTGCTCTCATTTTAG 223
QY 1060 GTTCCTGGGCTCTGAACTCTGAAATTCACAAATGACCAATTCCTCTATCCCATCTCC 1119
Db 222 GTTCCTGGGCTCTGAACTCTGAAATTCACAAATGACCAATTCCTCTATCCCATCTCC 163
QY 1120 ATGCTTTTGTCTCTCTGCTTCCCTTAGCTGGGATGGTTCCTTGTCTTACTGACTTGC 1179
Db 162 ATGCTTTTGTCTCTCTGCTTCCCTTAGCTGGGATGGTTCCTTGTCTTACTGACTTGC 103
QY 1180 AAAAATCTCTCCACAGTTTCAAATTTTCAATACCACTGTGAATCTCTCCCTGACTTCCACAA 1239
Db 102 AAAAATCTCTCCACAGTTTCAAATTTTCAATACCACTGTGAATCTCTCCCTGACTTCCACAA 43
QY 1240 GAGACTCAGATAGACCTTCTCTCTGCTCCCTGCACTGT 1281
Db 42 GAGACTCAGATAGACCTTCTCTCTGCTCCCTGCACTGT 1

RESULT 6

US-10-027-632-250936/c
; Sequence 250936, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 250936
; LENGTH: 2655
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-250936

Query Match 11.1%; Score 192.6; DB 15; Length 2655;
Best Local Similarity 79.4%; Pred. No. 1.1e-50;
Matches 258; Conservative 0; Mismatches 54; Indels 13; Gaps 2;
QY 1416 TGAGAGGTGGTAAAGTGGCTCATGCTGTAAATCCCAACAGTTTGGGAGGCTGAGG 1475
Db 1934 TGTTAAGAGGCTGGGCACAGTGGCTTACGCTGTAAATCCCAAGCACTTTGGAGGCTGAGG 1875
QY 1476 CGGCAGATCGCTTGGAGTCAAGGAGTTTGAACACAGCTGGCCCAATATGGCAAAACCCCA 1535
Db 1874 CAGGAGATCCCTTCCGCTCAGGAGTTTGAGCCAGACTGCGCAATATGTTAAACCCCA 1815
QY 1536 TCTTTA-TAAAAATACAGAAATAGCCAGGTGTGGTCTCATGCTGTAAATCCCATGCC 1594
Db 1814 TCTCTACTAAAAATACAAAAATTAGCCAGGCTGGTGGCGCATGCTGTAGTC----- 1762

QY 1595 TGTAAATCCAGCCTTGGAGGCTGAGGAGAGAAATCACTTGAATCCAGAGGAGAGGT 1654
Db 1761 -----TTAGCTACTCAGGAAGCTGATGAGAGAAATGGCTTGAACCCAGGAGGAGGT 1707
QY 1655 TGCAGTGAACAGATGGACCACTGCACTCCAGCCTGGGCAACACACTGAGCAAACTGCC 1714
Db 1706 TGCAGTGAACAGATGGACCACTGCACTCCAGCCTGGGCAACACAGGAGACTTTGTC 1647
QY 1715 TGTCTGTAAAAAATAAAAAA 1739
Db 1646 CCAAAAAAATAAAAAA 1622

RESULT 7

US-10-027-632-250937/c
; Sequence 250937, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 250937
; LENGTH: 2655
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-250937

Query Match 11.1%; Score 192.6; DB 15; Length 2655;
Best Local Similarity 79.4%; Pred. No. 1.1e-50;
Matches 258; Conservative 0; Mismatches 54; Indels 13; Gaps 2;
QY 1416 TGAGAGGTGGTAAAGTGGCTCATGCTGTAAATCCCAACAGTTTGGGAGGCTGAGG 1475
Db 1934 TGTTAAGAGGCTGGGCACAGTGGCTTACGCTGTAAATCCCAAGCACTTTGGAGGCTGAGG 1875
QY 1476 CGGCAGATCGCTTGGAGTCAAGGAGTTTGAACACAGCTGGCCCAATATGGCAAAACCCCA 1535
Db 1874 CAGGAGATCCCTTCCGCTCAGGAGTTTGAGCCAGACTGCGCAATATGTTAAACCCCA 1815
QY 1536 TCTTTA-TAAAAATACAGAAATAGCCAGGTGTGGTCTCATGCTGTAAATCCCATGCC 1594
Db 1814 TCTCTACTAAAAATACAAAAATTAGCCAGGCTGGTGGCGCATGCTGTAGTC----- 1762
QY 1595 TGTAAATCCAGCCTTGGAGGCTGAGGAGAGAAATCACTTGAATCCAGGAGGAGAGGT 1654
Db 1761 -----TTAGCTACTCAGGAAGCTGATGAGAGAAATGGCTTGAACCCAGGAGGAGGT 1707
QY 1655 TGCAGTGAACAGATGGACCACTGCACTCCAGCCTGGGCAACACACTGAGCAAACTGCC 1714
Db 1706 TGCAGTGAACAGATGGACCACTGCACTCCAGCCTGGGCAACACAGGAGACTTTGTC 1647
QY 1715 TGTCTGTAAAAAATAAAAAA 1739
Db 1646 CCAAAAAAATAAAAAA 1622

RESULT 8
US-10-027-632-250938/c
; Sequence 250938, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 250938
; LENGTH: 2655
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-250938

Query Match 11.1%; Score 192.6; DB 15; Length 2655;
Best Local Similarity 79.4%; Pred. No. 1.1e-50;
Matches 258; Conservative 0; Mismatches 54; Indels 13; Gaps 2;
QY 1416 TGAGAAGTGGTGTGAAGTGGCTCATGCTGTAAATCCCAACAGTTTGGGAGGCTGAGG 1475
DB 1934 TGTAAAGAGGCTGGGCACAGTGGCTTACGCTGTAAATCCCAACAGTTTGGGAGGCTGAGG 1875
QY 1476 CCGGCAGATCGCTTCAGGTTCAGGAGTTTGAACACAGAGTGGCCCAATATGGCAAAACCCCA 1535
DB 1874 CAGGCAGATCCCTTCGGGTTCAGGAGTTTGAGACAGAGTGGCCCAATATGGTAAACCCCA 1815
QY 1536 TCTTTA-TAAAAATACAGAAATTAGCCAGGTGTGGTGTGCTCATGCTGTAAATCCCAATGCC 1594
DB 1814 TCTTACTAAAAATACAAAAATTAGCCAGGCTGGTGGCGCATGCTGTAGTC----- 1762
QY 1595 TGTAAATCCAGCCTTGGGAGGCTGAGGAGGAGATCACTTGAATCCAGGAGGAGAGGT 1654
DB 1761 -----TTAGCTACTCAGGAGCTGATGAGGAGATGGCTTGAACCCAGGAGGAGGT 1707
QY 1655 TGCAGTGAATGAGATTGACCACTGCACTCCAGCCTGGGCAACACTGAGCAAAACTGCC 1714
DB 1706 TGCAGTGAGTGAGATTGACCACTGCACTCCAGCCTGGGCAACACTGAGGAGACTTTGTC 1647
QY 1715 TGTCTGTAATAAAAAA 1739
DB 1646 CCAAAAAA 1622

RESULT 9
US-10-027-632-250939/c
; Sequence 250939, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129

; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 250939
; LENGTH: 2655
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-250939

Query Match 11.1%; Score 192.6; DB 15; Length 2655;
Best Local Similarity 79.4%; Pred. No. 1.1e-50;
Matches 258; Conservative 0; Mismatches 54; Indels 13; Gaps 2;
QY 1416 TGAGAAGTGGTGTGAAGTGGCTCATGCTGTAAATCCCAACAGTTTGGGAGGCTGAGG 1475
DB 1934 TGTAAAGAGGCTGGGCACAGTGGCTTACGCTGTAAATCCCAACAGTTTGGGAGGCTGAGG 1875
QY 1476 CCGGCAGATCGCTTCAGGTTCAGGAGTTTGAACACAGAGTGGCCCAATATGGCAAAACCCCA 1535
DB 1874 CAGGCAGATCCCTTCGGGTTCAGGAGTTTGAGACAGAGTGGCCCAATATGGTAAACCCCA 1815
QY 1536 TCTTTA-TAAAAATACAGAAATTAGCCAGGTGTGGTGTGCTCATGCTGTAAATCCCAATGCC 1594
DB 1814 TCTTACTAAAAATACAAAAATTAGCCAGGCTGGTGGCGCATGCTGTAGTC----- 1762
QY 1595 TGTAAATCCAGCCTTGGGAGGCTGAGGAGGAGATCACTTGAATCCAGGAGGAGAGGT 1654
DB 1761 -----TTAGCTACTCAGGAGCTGATGAGGAGATGGCTTGAACCCAGGAGGAGGT 1707
QY 1655 TGCAGTGAATGAGATTGACCACTGCACTCCAGCCTGGGCAACACTGAGCAAAACTGCC 1714
DB 1706 TGCAGTGAGTGAGATTGACCACTGCACTCCAGCCTGGGCAACACTGAGGAGACTTTGTC 1647
QY 1715 TGTCTGTAATAAAAAA 1739
DB 1646 CCAAAAAA 1622

RESULT 10
US-10-292-798-1789/c
; Sequence 1789, Application US/10292798
; Publication No. US20030325833A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: GUANOSINE TRIPHOSPHATE-BINDING PROTEIN COUPLED RECEPTORS
; FILE REFERENCE: 084335/166
; CURRENT APPLICATION NUMBER: US/10/292,798
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: 10/017,161
; PRIOR FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: JP 2001-246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2070
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 1789

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; LENGTH: 108316
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; LOCATION: source
; FEATURE:
; LOCATION: (1)..(108316)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (201)..(320)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (6586)..(6893)
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; LOCATION: (11403)..(11625)
; FEATURE:
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; LOCATION: (35649)..(35883)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (38436)..(38569)
; FEATURE:
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; LOCATION: (49760)..(49948)
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; LOCATION: (56862)..(57074)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (60383)..(60533)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (62136)..(62275)
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; NAME/KEY: CDS
; LOCATION: (75449)..(75567)
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; NAME/KEY: CDS
; LOCATION: (93827)..(93944)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (99913)..(100084)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (107990)..(108116)
; US-10-292-798-1789

Query Match      11.0%; Score 190.8; DB 15; Length 108316;
Best Local Similarity 71.2%; Pred. No. 4.7e-49;
Matches 285; Conservative 0; Mismatches 102; Indels 13; Gaps 2;

Qy 1340 TGTTTACAAAGACCAAGAAATCCTCATGGGCCAAGTCCATGCTTATTCTTCTCATGTT 1399
Db 107592 TGTATGCCACAGAACCAAGAGGAAATTTGACCAAGAACCTGTCAGTTTGAAGTCCAGCT 107533
Qy 1400 GAATGCACTTAGCATTTGAGAAGTGGTTGGTAAAGTGGCTCATGCTGTATATCCCAACA 1459
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Qy 1460 GTTTGGAGGCTGAGGCCGACATGCTTGTAGGTGAGGATTTGAACACAGCTGGCCA 1519
Db 107473 CTTTGAAGCCGAGGTGGGCAGATCACTTGTAGGTGAGGAGCTCAAGACCAAGCTGGCCA 107414
Qy 1520 ATATGCAAAACCCATCTTTATATAAATACAGAAATAGCCAGGTGTGTGGCTCATGC 1579
Db 107413 ACATGGGAAACCCCACTCTCTATATAAATACAAATAGCCAGGTGTGTGGCTCATGC 107354
Qy 1580 CTGTAAATCCCATGCTCTTAATCCAGCCTTGGAGGCTGAGGAGGAGATCACTTGAAT 1639

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Db 107353 CTGTAAATCCCA-----GCTACTCGGAGGCTGAGGAGGAAATCACTTGAAC 107306
Qy 1640 CCAGGAGGACAGGTTGCAAGTGAACCTGAGATTGGACCACTGCACCTCCAGCCTGGCAACA 1699
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Qy 1700 CTGAGCAAAACTCCCTGTGCTGTAAGAAAAAAGAAAAAAGAAAAA 1739
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RESULT 11
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; Sequence 2143, Application US/10017161
; Publication No. US20030143688A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 084335/0152
; CURRENT APPLICATION NUMBER: US/10/017,161
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: JP 2001/246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2430
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2143
; LENGTH: 108317
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: source
; LOCATION: (1)..(108316)
; NAME/KEY: CDS
; LOCATION: (201)..(320)
; FEATURE:
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; LOCATION: (6586)..(6893)
; FEATURE:
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; LOCATION: (11403)..(11625)
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; LOCATION: (35649)..(35883)
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; LOCATION: (62136)..(62275)
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; LOCATION: (75449)..(75567)
; FEATURE:
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; LOCATION: (76611)..(76827)
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; LOCATION: (93827)..(93944)
; FEATURE:
; NAME/KEY: CDS

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; LOCATION: (99913)..(100084)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (107990)..(108116)
US-10-017-161-2143

Query Match      11.0%; Score 190.8; DB 14; Length 108317;
Best Local Similarity 71.2%; Pred. No. 4.7e-49;
Matches 285; Conservative 0; Mismatches 102; Indels 13; Gaps 2;

QY 1340 TGTATGACACAGCAAGAAATCTCATGGCCCAAGTCCATGCTTATTTACTTTCATGTT 1399
DB 107593 TGTATGACACAGCAAGAAATCTCATGGCCCAAGTCCATGCTTATTTACTTTCATGTT 107534
QY 1400 GAATGCACCTAGCATTTTGGAAAGTGGTGTGTAAGTGGTCTCATGCTGTGAATCCCAACA 1459
DB 107533 GAGGCCCATAGCATGATTTAAGG-GCCAGGCACAGTGGCTCATGCTGTGAATCCCAACA 107475
QY 1460 GTTGGGAGGCTAGGCCCGGAGATCGCTTTCAGTTCAGGAGTTTGAACCAAGCTGGCCA 1519
DB 107474 CTTTGGAAAGGCGAGGTGGGAGATCACTTTCAGTTCAGGAGCTCAAGACCAAGCTGGCCA 107415
QY 1520 ATATGGCAAAACCCCATCTTTATATAAATACAGAAATTTAGCCAGTGTGGTGGCTCATGC 1579
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QY 1580 CTGTATCCCATGCTGTGAATCCCAAGCTTGGGAGGCTGAGGAGGAGATTCATTTGAAT 1639
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DB 107306 CTGGAGGAGGAGGTTGAGTGGAGCGGAGATTGACCAATTCATTCAGCTCCAGCTGGGCAACA 107247
QY 1700 CTGACCAAACTGCTGCTGCGTGAATAAAAAA 1739
DB 107246 CAGTGAGATCTGTCTCAAAAAA 107207

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US-10-017-161-2429
; Sequence 2429, Application US/10017161
; Publication No. US20030143668A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 084335/0152
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: US/10/017,161
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2430
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2429
; LENGTH: 35425
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: source
; LOCATION: (1)..(35425)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (201)..(293)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (21253)..(21367)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (21462)..(21603)
; FEATURE:
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; NAME/KEY: CDS
; LOCATION: (23918)..(24055)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (26460)..(26597)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (26868)..(27016)
; NAME/KEY: CDS
; LOCATION: (35125)..(35225)
; FEATURE:
; NAME/KEY: modified base
; LOCATION: (35270)..(35425)
; OTHER INFORMATION: a, t, c, g, unknown or other
US-10-017-161-2429

Query Match      10.9%; Score 189.4; DB 14; Length 35425;
Best Local Similarity 74.2%; Pred. No. 6.5e-49;
Matches 271; Conservative 0; Mismatches 81; Indels 13; Gaps 2;

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DB 16431 TCCACACCTGTCTTAGTTTCAGTTTGTGTGCTATAAAGGAATACTGGGCTGGGTGCAG 16490
QY 1436 TGGCTCATGCTGTAAATCCCAACAGTTTGGAGGCTGAGCCGCGAGATCGCTTGGGTC 1495
DB 16491 TGGCTCAGCTGTAAATCCCAAGCTTTGGAGGCAAGGTGGGTAGATCACTTGGGTC 16550
QY 1496 AGGAGTTTGAACCAAGCTGGCCCAATATGGCAAAACCCCATCTTTA-TAAAAATACAGAA 1554
DB 16551 AGGAGTTTGAACCAAGCTGGCCCAACATGGTGAACCCCGCTCTTACTAAAAATACAAA 16610
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DB 16611 GTTAGCCGGTGTGTGCTCATGCTGTAAATCCCATGCTGTAAATCCCATGCTTGGGAG 16658
QY 1615 GCTGAGGAGGAGAAATCACTTGAATCCAGAGGAGGAGGTTGCACTGAACTGAGATTGGA 1674
DB 16659 GCTGAGGAGGAGAAATCGCTTGAACCCAGGATGGGAGGTTGCACTGAACTGAGATTGGA 16718
QY 1675 CCAGTGCATCCAGCTGGGCAACACTGAGCAAAACTGCCCTGTGCTGAAAAA 1734
DB 16719 CCAGTGCATCCAGCTGGGCAACACTGAGCAAAACTGCCCTGTGCTGAAAAA 16778
QY 1735 AAAAA 1739
DB 16779 AAAAA 16783

RESULT 13
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; Sequence 2069, Application US/10292798
; Publication No. US2003023583A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: GUANOSINE TRIPHOSPHATE-BINDING PROTEIN COUPLED RECEPTORS
; FILE REFERENCE: 084335/166
; CURRENT FILING DATE: 2002-11-13
; CURRENT APPLICATION NUMBER: US/10/292,798
; PRIOR FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: JP 2001-246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2070
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2069
; LENGTH: 35425
; TYPE: DNA
; ORGANISM: Homo sapiens
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; FEATURE:
; LOCATION: source
; FEATURE:
; LOCATION: (1)..(35425)
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; LOCATION: (1)..(35425)
; NAME/KEY: CDS
; LOCATION: (201)..(293)
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; LOCATION: (21253)..(21367)
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; FEATURE:
; NAME/KEY: CDS
; LOCATION: (23918)..(24055)
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; LOCATION: (26460)..(26597)
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; LOCATION: (35125)..(35225)
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (35270)..(35369)
; OTHER INFORMATION: a, t, c, g, unknown or other
US-10-292-798-2069

Query Match          10.9%; Score 189.4; DB 15; Length 35425;
Best Local Similarity 74.2%; Pred. No. 6.5e-49;
Matches 271; Conservative 0; Mismatches 81; Indels 13; Gaps 2;

QY 1376 TCCATGCCCTATTATTACTTTCATGTTGAATGCACCTAGCATTTGAGAAAGTGTGCTTAAG 1435
Db 16431 TCCACACCTGTCTTAGTTTCAGTTTGTGTTGCTATAAGGAATAACTGGGGCTGGGTGCAG 16490
QY 1436 TGCTCATGCTGTATATCCCAACAGTTTGGGAGGCTTGAGCGCGGAGATCGCTTCAGGTC 1495
Db 16491 TGCTCAGGCTGTATATCCAGCACTTTGGAGGCCAAGGTGGTAGATCACTTCAGGTC 16550
QY 1496 AGGAGTTTGAACCCAGCTGGCCAAATATGCGAAACCCCATCTTTA-TAAAAATACAGAA 1554
Db 16551 AGGAGTTTGAACACAGCTGGCCAAACATGGTGAACCCCGTCTCTACTAAAAATACAAA 16610
QY 1555 ATTAGCCAGGTGTGGTGGCTCATGCCCTGTAATCCCATGCCCTGTAATCCAGCCTTTGGGAG 1614
Db 16611 GTTAGCCGGGTATGGTGGCAACGGCCTGTAGTCCCA-----GCTACTTTGGGAG 16658
QY 1615 GCTGAGCAGGAGAAATCACTTGAATCCAGAGGCAGAGGTTCGAGTGAACCTGAGATTGGA 1674
Db 16659 GCTGAGCAGGAGAAATCGCTTGAACCCAGGATCGGAGGTTCGAGTGAACCCGAGATTGCA 16718
QY 1675 CCATGCACTCCAGCCTGGGCAACACTGAGCAAAATGGCTGTCTGCGTGAACAAAAA 1734
Db 16719 CCATGCACTCCAGCCTGGGTGACAGAGTGAGACTCCATCTCAGAAAAA 17778
QY 1735 AAAAA 1739
Db 16779 AAAAA 16783

RESULT 14
US-10-108-260A-1665
; Sequence 1665, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: NO. US20040005560A1el full length cdna
; FILE REFERENCE: HI-A0106
; CURRENT APPLICATION NUMBER: US/10/108.260A

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Thu Feb 19 13:28:49 2004

Matches 253; Conservative 0; Mismatches 57; Indels 13; Gaps 2;	
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QY 1478	GGCAGATCGCTTGAGGTGAGGTTTGAACCCAGCCTGGCCAAATATGGCAAAACCCCATC 1537
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QY 1701	GGCACATCACCTGAGGTGAGGTTTGAACCCAGCCTGGCCAAATATGGCAAAACCCCATC 1642
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QY 1538	TTTA-TAAAAATACAGAAATTAGCCAGGTGTGGTCTCATGCTGTATATCCCATGCTG 1596
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QY 1641	TCTACTAAAAATACAAAAATTAGTACAGCGGTGGCACATCCCTGTATATCCCA----- 1588
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QY 1597	TAATCCCAGCCTTGGGAGGCTGAGCGAGGAATCACTTGAATCCAGGAGGCGAGGTTG 1656
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QY 1587	-----GCTACTTGGGATGCTGAGCGAGGAATTCCTTGAACCCAGGAGGCGAGGTTG 1534
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QY 1717	TCGTGAAAAAATAAAAAAATAAAAAA 1739
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Search completed: February 19, 2004, 14:05:02
Job time : 584.583 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 18, 2004, 13:28:27 ; Search time 96.3511 Seconds
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Title: US-09-864-711-8
Perfect score: 1354
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

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 - 4: /cgn2_6/ptodata/2/ina/6B COMB.seq.*
 - 5: /cgn2_6/ptodata/2/ina/PCRUS COMB.seq.*
 - 6: /cgn2_6/ptodata/2/ina/backfileseq1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1213.6	89.6	1312	4	US-09-610-906-5
3	1213.6	89.6	1312	4	US-09-976-594-346
4	473.8	35.0	562	4	US-09-610-906-6
5	261	19.3	274	4	US-09-610-906-4
6	251.4	18.6	620	4	US-09-610-906-7
7	233	17.2	233	4	US-09-610-906-3
8	183.2	13.5	279	4	US-09-610-906-8
9	134.4	9.9	325	4	US-09-610-906-10
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12	107.6	7.9	1158	4	US-09-372-422A-21
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15	99.6	7.4	1081	4	US-09-372-422A-33
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18	94.2	7.0	1100	4	US-09-372-422A-47
19	75.2	5.6	1087	4	US-09-372-422A-29
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22	72.8	5.4	1302	4	US-09-372-422A-27
23	72.4	5.3	1485	4	US-09-372-422A-39
24	71.6	5.3	1375	4	US-09-372-422A-37
25	70	5.2	1340	1	US-08-468-763-16
26	70	5.2	1340	2	US-08-393-996A-16
27	69.2	5.1	1116	4	US-09-372-422A-41

28	67.2	5.0	938	3	US-08-654-025-1	Sequence 1, Appli
29	67.2	5.0	938	3	US-08-654-025-3	Sequence 3, Appli
30	61	4.5	1442	1	US-08-468-763-18	Sequence 18, Appli
31	61	4.5	1442	2	US-08-393-996A-18	Sequence 18, Appli
32	59.2	4.4	1333	4	US-08-372-422A-9	Sequence 9, Appli
33	58.6	4.3	3426	1	US-08-234-339-1	Sequence 1, Appli
34	58.6	4.3	3426	1	US-08-558-865-1	Sequence 1, Appli
35	58.6	4.3	3426	3	US-08-654-025-6	Sequence 6, Appli
36	50.8	3.8	1454	4	US-09-372-422A-19	Sequence 19, Appli
37	49.6	3.7	776	4	US-09-372-422A-43	Sequence 43, Appli
38	48	3.5	297	4	US-09-252-991A-5357	Sequence 5357, Ap
39	47.8	3.5	1384	4	US-09-372-422A-17	Sequence 17, Appli
40	47	3.5	1242	4	US-09-372-448A-3	Sequence 3, Appli
41	45.8	3.4	960	4	US-09-489-039A-2828	Sequence 2828, Ap
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43	45	3.3	714	4	US-09-252-991A-1104	Sequence 1104, Ap
44	45	3.3	759	4	US-09-252-991A-982	Sequence 982, App
45	45	3.3	1467	4	US-09-252-991A-1142	Sequence 1142, Ap

ALIGNMENTS

RESULT 1
US-09-610-906-2
; Sequence 2, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 2
; LENGTH: 1354
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Inocyte ID No. 6566066 2774542CB1
; PUBLICATION INFORMATION:
US-09-610-906-2

Query Match	100.0%	Score 1354;	DB 4;	Length 1354;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 1354;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
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QY	121	GTCCCTTTTCCCTACCGCAGATAGCCATGTGTGAGCTGAATTTGGCAATGACAGGCC	180	
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QY	181	AGGAGCCGACGTCGGGTGGCAGGTGGCAGTGTCTTGTGACGAACCGTTTGTGACGCCA	240	
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QY	241	TGTCGTGTCGAACCTGTCGGGCTGTCTCTTCTATCTTCATCGGGTCCCTGTGGTCATT	300	
Db	241	TGTCGTGTCGAACCTGTCGGGCTGTCTCTTCTATCTTCATCGGGTCCCTGTGGTCATT	300	

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Qy 361 CTCGTGATGGACCGCTGGGGAATATAGTGGTGGACACTTCAACCCCTGGGTTCCCTG 420
Db 361 CTCGTGATGGACCGCTGGGGAATATAGTGGTGGACACTTCAACCCCTGGGTTCCCTG 420
Qy 421 CGAGCATGCTGATCGGAGGCTCAACCTGGTATGCTCCCTGGTACTGGGTTCCACAG 480
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Db 841 GCGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 900
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Db 901 CTGAGGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 960
Qy 961 CTGTGCCAGACTGAGGACAGGAGTTCCTGCAATTTCTGCGAGGCGAGGCGCCAGAG 1020
Db 961 CTGTGCCAGACTGAGGACAGGAGTTCCTGCAATTTCTGCGAGGCGAGGCGCCAGAG 1020
Qy 1021 GAGGACCCCTGCTTCCACTGCTGGGCTGCTTCTCAGATAGACTGACTGCTGAGGA 1080
Db 1021 GAGGACCCCTGCTTCCACTGCTGGGCTGCTTCTCAGATAGACTGACTGCTGAGGA 1080
Qy 1081 GGTCTAGGTTCCTGGAAATCTTTGTGCTCATCAGAGACCCAGCTGGGGAACACGCT 1140
Db 1081 GGTCTAGGTTCCTGGAAATCTTTGTGCTCATCAGAGACCCAGCTGGGGAACACGCT 1140
Qy 1141 GCCCGCACTGCCAGAGAGAGTGCACAAACCAACAGAGCGGTGTTCTTGGAGAGAA 1200
Db 1141 GCCCGCACTGCCAGAGAGAGTGCACAAACCAACAGAGCGGTGTTCTTGGAGAGAA 1200
Qy 1201 TGTCCCGAGTGGACAGAGGCTGTTTCTGACATCAGCTCATTTCCCGCAGCCCAT 1260
Db 1201 TGTCCCGAGTGGACAGAGGCTGTTTCTGACATCAGCTCATTTCCCGCAGCCCAT 1260
Qy 1261 TCTTGTGATTTGTTGTTGGGGCTTGGCCACTTCTTGTGTTCTCAAGCTGCAATTC 1320
Db 1261 TCTTGTGATTTGTTGTTGGGGCTTGGCCACTTCTTGTGTTCTCAAGCTGCAATTC 1320
Qy 1321 TCACCTTGCATTAATAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 1354
Db 1321 TCACCTTGCATTAATAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 1354

RESULT 2
US-09-610-906-5
; Sequence 5, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klinger, Ted M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 5
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 1804734CBI
; PUBLICATION INFORMATION:
US-09-610-906-5
Query Match 89.6%; Score 1213.6; DB 4; Length 1312;
Best Local Similarity 99.3%; Pred. No. 5.8e-314; Indels 0; Gaps 0;
Matches 1219; Conservative 0; Mismatches 9;
Qy 122 TCCCTTTTCCCTACGCGAGATAGCCATGTGTGAGCCCTGAATTTGGCAATGCAAGGCCA 181
Db 85 TCCGTATGTCTGGAGAGCAGATAGCCATGTGTGAGCCCTGAATTTGGCAATGCAAGGCCA 144
Qy 182 GGGAGCCGAGCGGTGGCGAGTGGCGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 241
Db 145 GGGAGCCGAGCGGTGGCGAGTGGCGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 204
Qy 242 GTCTGTGCTGCAACTGCTGGGCTCTGCTCTCTTCTCATCTTTCATCGGGTGGTGGTGGT 301
Db 205 GTCTGTGCTGCAACTGCTGGGCTCTGCTCTCTTCTCATCTTTCATCGGGTGGTGGTGGT 264
Qy 302 AGAATGGGACGACACTGGGCTGTGCGAGCCGCGCTGGCCACCGGCTGGCTTTGGGGG 361
Db 265 AGAATGGGACGACACTGGGCTGTGCGAGCCGCGCTGGCCACCGGCTGGCTTTGGGGG 324
Qy 362 TCGTGAATCCACGCTGGGGAATATCAGTGGTGGACACTTCAACCCCTGGGTGGTGGTGG 421
Db 325 TCGTGAATCCACGCTGGGGAATATCAGTGGTGGACACTTCAACCCCTGGGTGGTGGTGG 384
Qy 422 CAGCCATGCTGATCGGAGGCTCAACCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 481
Db 385 CAGCCATGCTGATCGGAGGCTCAACCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 444
Qy 482 TCGTGGGGGATGCTCGGGGCTGGCTGGCCCAAGCGGTGAGTCTTCTGAGAGAGGTTCT 541
Db 445 TCGTGGGGGATGCTCGGGGCTGGCTGGCCCAAGCGGTGAGTCTTCTGAGAGAGGTTCT 504
Qy 542 GGAATCATCTGGGGGCTTTTGTGACAGTCCAGAGAGAGGAGGAGTGGCAGGGGGGT 601
Db 505 GGAATCATCTGGGGGCTTTTGTGACAGTCCAGAGAGAGGAGGAGTGGCAGGGGGGT 564
Qy 602 TGGTGGCAGAGATCATCTGACAGCTGTGGCTGGCTGGCTGTATGATGGGTGGCATCA 661
Db 565 TGGTGGCAGAGATCATCTGACAGCTGTGGCTGGCTGGCTGTATGATGGGTGGCATCA 624
Qy 662 ATGAGAGAGCAAGGGGCTCTTGGCCCTTCTTCCATCGGCTTTCGCTGACCGTGGATA 721
Db 625 ATGAGAGAGCAAGGGGCTCTTGGCCCTTCTTCCATCGGCTTTCGCTGACCGTGGATA 684
Qy 722 TCCGTGGGGGGGCTTGTGTGAGAGGCTGATGAATCCCGCCGCTGCTTTTGACCTG 781
Db 685 TCCGTGGGGGGGCTTGTGTGAGAGGCTGATGAATCCCGCCGCTGCTTTTGACCTG 744

Query Match	35.0%;	Score 473.8;	DB 4;	Length 562;
Best Local Similarity	95.4%;	Pred. No. 7e-117;		
Matches 521;	Conservative 0;	Mismatches 18;	Indels 7;	Gaps 3;
QY	816	CTACTGGCTGGGCCA--CTCCTGGCTGGGCTGCTTTGG--	ACTGCTCATTAGTGTC	870
Db	546	CTACTGGCTGGGCCCACTCGTGGCTGGCTGCTTTGTGAACTGCTCATTAGTGTC	487	
QY	871	TTCAITGGA--GATGGAAAGCCGGCTCATCTGTAAGCTCGGTAAACAGACTCGT	928	
Db	486	TTCAITGGAAGATGGAAAGACCCTCATCTGTAAGCTCGGTAAACAGACTCGT	427	
QY	929	GGATCTCTGCTGCTCCAGGTGTCTCTAGCTACCTCTGCCACACTGAGCAGACAGGGGAGTT	988	
Db	426	GGATCTCTGCTGCTCCAGGTGTCTCTAGCTACCTCTGCCACACTGAGCAGACAGGGGAGTT	367	
QY	989	CTGCAATTTCTGCGAGGCGAGAGCCCGAGAGCGACCCCTGCTTCCACTGCTTGGG	1048	
Db	366	CTGCAATTTCTGCGAGGCGAGAGCCCGAGAGCGACCCCTGCTTCCACTGCTTGGG	307	
QY	1049	CCTGCTTTTCTCAGATAGACTGACTGCTGAGAGGCTCTAGGTTCTTGAAATTCCTTTGTG	1108	
Db	306	CCTGCTTTTCTCAGATAGACTGACTGCTGAGAGGCTCTAGGTTCTTGAAATTCCTTTGTG	247	
QY	1109	CTCATCAGAGACCCAGCTGGGAAACGCTGCCGCACTGCCAGAGACGATGCAAA	1168	
Db	246	CTCATCAGAGACCCAGCTGGGAAACGCTGCCGCACTGCCAGAGACGATGCAAA	187	
QY	1169	CACCACACAGAGCGTGTTCCTTGAGAGAAATGCCCGAGTTGACAGAGGCGTGT	1228	
Db	186	CACCACACAGAGCGTGTTCCTTGAGAGAAATGCCCGAGTTGACAGAGGCGTGT	127	
QY	1229	TCGCAACACAGCTCATTTCCGCAACCCCATTTCTTGCTTGATGCTTTGTGGGGCT	1288	
Db	126	TCGCAACACAGCTCATTTCCGCAACCCCATTTCTTGCTTGATGCTTTGTGGGGCT	67	

RESULT 6
US-09-610-906-7
; Sequence 7; Application US/09610906
; Patent No. 656066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmueth, Wayne
; APPLICANT: Klingner, Tod M.
; APPLICANT: AQUAPORIN-8 VARIANT
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT

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; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 620
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 701897401H1
; PUBLICATION INFORMATION:
US-09-610-906-7

Query Match 18.6%; Score 251.4; DB 4; Length 620;
Best Local Similarity 77.8%; Pred. No. 1.4e-57;
Matches 329; Conservative 0; Mismatches 91; Indels 3; Gaps 2;

Qy 580 CAGGGGAGGTGGGAGGGGGCTGGTGGGAGAGATCATCTGACGAGCTGTGGCCCTG 639
Db 57 CAGCAGCAGGTGGCAGAAAGCCCTGGGGGTAGAGATCGTTATGACGATGCTGTGGTATTG 116
Qy 640 GCTGTATGATGGGTGCCATCAATGAGAACAAAGGGCCCTCTGGCCCGTTCTCCATC 699
Db 117 GCTGTATGATGGGTGGCGCTCAATGAGAACAAATGGGTCCCTAGCCCATTTCTCCATT 176
Qy 700 GGCTTTCCGTCACCGTGGATATCTTGGTGGGGCCCTGTGTCTGGAGGCTGCATGAAT 759
Db 177 GGTTCCTCTGATTTGGATATCTTGGCAGGTGGTGGGATCTCTGGAGCCTGCATGAAC 236
Qy 760 CCGCCCGTCTTTGACGCTGGTGGTGGCCAAACACTGGAACTTCCACTGATCTAC 819
Db 237 CCTGCTCGTCTTTGACCTGCTGTGATGGCTGGTACTGGGACTTCCATTTGATCTAC 296
Qy 820 TGGCTGGGGCCACTCTCTGGCTGGCTGCTTTGGTGGAGCTGCTATTAGTGTCTTATTGA 879
Db 297 TGGCTGGGGCCACTCTCTGGCTGGCTTCTTTGGTGGAGCTGCTATTAGTGTCTTATTGA 356
Qy 880 GATGGGAAGACCCGCTCATCTTGAAGCTCGGTGAAGCAGAGCTGTGGGATCTCTGCT 939
Db 357 GATGAGAAACCCGCTGATCTTAAAGTCGAGGTGAAGACTCTGTGGCAGCATCCCACT 416
Qy 940 GCTCCAGGTGCTCTCACTCACTGCTCCAGACTGAGGACAGGGAGTTCTCTCATTTCC 999
Db 417 G--CTGGAGTCTCACT--GTTGCTGAGTTGAGGACAGGACAAATTCATTATTTTC 473
Qy 1000 TGC 1002
Db 474 TGC 476

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RESULT 7
US-09-610-906-3
; Sequence 3, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 3
; LENGTH: 233
; TYPE: DNA

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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 2774542H1
; PUBLICATION INFORMATION:
US-09-610-906-3

Query Match 17.2%; Score 233; DB 4; Length 233;
Best Local Similarity 100.0%; Pred. No. 7.7e-53;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGTGAGCCCTCTGTGCGGCTCTCTCCAGCTGCGCAGCAAGGGGGCTGTGAATT 60
Db 1 GGTGAGCCCTCTGTGCGGCTCTCTCTCCAGCTGCGCAGCAAGGGGGCTGTGAATT 60
Qy 61 AATCAAGGTTGGGGGTGGGGCTCTATATATCTGAGCTTGCCTCCACCCGTTGCTCT 120
Db 61 AATCAAGGTTGGGGGTGGGGCTCTATATATCTGAGCTTGCCTCCACCCGTTGCTCT 120
Qy 121 GTCCCTTTTCCCTACCGCAGATAGCCATGTGTGAGCTTGAATTTGGCAATGACAGGCC 180
Db 121 GTCCCTTTTCCCTACCGCAGATAGCCATGTGTGAGCTTGAATTTGGCAATGACAGGCC 180
Qy 181 AGGAGCGCGAGCGTGGGTGGCAGGTGGCAGGTGGCAGGTGGCAGGTGGCAGGTGGT 233
Db 181 AGGAGCGCGAGCGTGGGTGGCAGGTGGCAGGTGGCAGGTGGCAGGTGGT 233

RESULT 8
US-09-610-906-8
; Sequence 8, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 279
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 70162441H1
; PUBLICATION INFORMATION:
US-09-610-906-8

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Query Match 13.5%; Score 183.2; DB 4; Length 279;
Best Local Similarity 79.0%; Pred. No. 1.6e-39;
Matches 218; Conservative 0; Mismatches 58; Indels 0; Gaps 0;

Qy 529 GAGGAGAGGTTCTGGAATGATCTGCGGGCGGCTTTGTGACAGTCCAGGAGCAGGCGCAG 588
Db 4 GAGGAAGGTTCTGGAATGATCTGCGGGCAGCTTTTCCATAGTCCAGGAGCAGGAGCAG 63
Qy 589 GTGCGAGGGGTTGGTGGCAGAGATCATCTGACGAGCTGTGGCCCTGGCTGTATGC 648
Db 64 GTGCGAGAAAGCCCTGGGGGTAGAGATCGTTATGACAGTGTGTGGTATTGGCTGTGT 123
Qy 649 ATGGGTGCCATCAATGAGAACAAAGGGCCCTCTGCGCCCGCTTCTCCATCGGCTTGGC 708
Db 124 ATGGGTGCCATCAATGAGAACCAATGAGTGGTCCCTAGCCCCATTTCTCCATTGTTCTCT 183
Qy 709 GTCACCGTGGATATCTGGCTGGGGGGCCCTGTGTGTGAGAGCTGCATGAATCCGCCCGT 768
Db 184 GTCATTGTGGATATCTCTGGCAAGTGGTGGGATCTCTGGAGCCTGCATGAACCCCTGCTGT 243

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[illegible]

Query Match	7.8%; Score 105.4; DB 4; Length 1153;
Best Local Similarity	51.4%; Pred. No. 1.6e-18;
Matches	303; Conservative 0; Mismatches 271; Indels 15; Gaps 2;
QY	273 CATCTTCATCGGGTCCGTGTCGGTTCATTGAGATGGGACGGACACACTGGGGCTGTCGACGC 332
DB	238 CATGGCTTTCAGCAAGCTGACCCGGCGCGGCCCGACGACCCCGGCGGCCCTGATCGCGGC 297
QY	333 GGCCCTCGGCCACCGGGCTGGCTTTGGGGCTTCGTGATTGCCACACCTGGGGGAATATCACTGG 392
DB	298 GCGCGTGGCGCAGCGGTTCGGCTGTTCGTGGCGGTTCGTCGGGCGCGAATCTCCCG 357
QY	393 TGGACATTTCAACCTCGGGTGTCCCTGGGAGCCATGCTGATCGAGGGCTCAACCTGGT 452
DB	358 CGGGCAGTGAACCGGCGCGTTCGTCGGCGCGCTTCGTGGGGGGGCAACATCACCCCTGTT 417
QY	453 GATGCTCTCCCGTACTGGGGTCTCACAGCTGCTCGGGGGGATGCTCGGGGCTGCTCTGGC 512
DB	418 CCGAGGGCTCCTGTACTGGGTGGGCGAC-----TGTCTGGGGTTCACCCGTGGC 465
QY	513 CAAGCGGTGAGTCTCTGAGGAGAGGTTCTGGAAATGCATCTGGGCGCGCCCTTTTGTGACAGT 572
DB	466 GTGCTTCTTGCTCCGCTTCTTCGACGGGGGGGAGGCCACGGGCACCTTCGGGCTGACGGG 525
QY	573 CCAGGACGAGGGGAGGTGGCAGGGGGCGTTGGTGGCAGAGATCATCTCTGACGACCTGTCT 632

Db 526 C---GTGTCGGTGGGAGCGCTGGTCTGAGATCGTGATGACCTTCGGGCTGGTGTGA 582
QY 633 GGCCTCGCTGTATGATCATGAGTGGTGCATCAATGAGAGACAAAGGCGCTCTGGGCCCCGTT 692
Db 583 CACGGTGTACGCGACGCGCGTGGACCCGAGAGAGGCGAGCCTGGGCGACCATCGCCCCCAT 642
QY 693 CTCATCGGCTTTCGCGTACCGTGGATATCTGCTGGGGGCGCTGTGTCTGGAGGCTG 752
Db 643 TGCCATCGGCTTCATGTCGGGGGCAACATCTGTGTGGGCGCGCTTCGACGGGCGTGC 702
QY 753 CATGAATCCCGCCGCTGTGTTTGGACCTGCGGTGTGTGGGCCAACCACTGGAATCTCCACTG 812
Db 703 CATGAACCCCGCGGTGTCTTCGGGCGCGCTCTGTGTGTGGAGTGGGCTACCACTG 762
QY 813 GATCTACTGGCTGGGCGCCACTCTGCTGGCTGCTGTGTGGACTGTCTC 861
Db 763 GGTGTACTGGTGGGCGCCCGCTCATCGGCGGCGCTTCGCGCGCTGTCATC 811

RESULT 14
US-09-372-422A-31
; Sequence 31, Application US/09372422A
; Patent No. 6313375
; GENERAL INFORMATION:
; APPLICANT: Rudolf Jung
; APPLICANT: Francois Barrieu
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; PRIOR FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 31
; LENGTH: 1015
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (77) ... (863)
US-09-372-422A-31

Query Match 7.4%; Score 100; DB 4; Length 1015;
Best Local Similarity 51.0%; Pred. No. 4e-17; Indels 12; Gaps 2;
Matches 294; Conservative 0; Mismatches 270;

QY 301 GAGAAATGGGACGACACTGGGCTGTGTCAGCGCGCCCTGGGCCCGGCTGGCTTTGGGG 360
Db 239 GACATGAGCACGCGGGCGGCTGGTGGCTGTGGCGCTGGCGACGCGCTGGCCCTGGCC 298
QY 361 CTGCTGATTCGACGCTGGGATATCATGTTGGACACTTCAACCCCTGCGGTGTCCTG 420
Db 299 GTGGCGCTGGGAGTGGCGCTCAACATCTCGGGGCGGACGTGAACCGCGCGTCACTTC 358
QY 421 GCAGCCATGCTGATCGAGGCGCTCAACCTGTGTGATCTCTCCCTGCTGCTGCTCAAG 480
Db 359 GCGCGCTGCTGCGGCGCGCGCTCTCCCTGCTGCGCGCGCTCTTGTACTGGTTCGCGAG 418
QY 481 CTGCTGGGGGATGCTCGGGGCTGCTTGGCCAGCGGCTGAGTCTTGGAGAGGTTTC 540
Db 419 CTGCTGGG-----CGCGCTGCGCGCGCGCTGCTCTCTGCGGCTGCGCACGCGGGGCG 469
QY 541 TGGAAATGATCTGGGCGGCGCTTTGTGACAGTCCAGGAGCAGGGGCGAGTGGCAGGGGCG 600
Db 470 ATCGGCGCGCGGGTTCGCGCTCGCGTCCGGGCTGGGAGCTGGCA---CGCCGTGTGTG 526
QY 601 TTGGTGGCAGATATCTTCAGCAGCGCTGCTGGCCCTGGCTGTATGATGGGTGCGATC 660
Db 527 CTGGAGGCGCGCTGATGACGTTTCGGCTCATGTACGCGCTACTACGCCACCGGTGATCACC 586
QY 661 AATGAGAGAACAAAGGCGCTCTGCGCGCGCTTCTCCATCGGCTTTGCGCTCACCCTGGAT 720

Db 587 AAGCGGGGACAGTGGGACCATCGCGCGTGGCGGTTCCTGCTCGGCGCCAAAC 646
QY 721 ATCTTGGCTGGGGGCGCTGTGTCTGAGGCTGATGATCCCGCGCTGTCTTTTGGACCT 780
Db 647 GTGCTGGCGGAGGCGCTTCGACGGGCGAGGGATGAACCGGCGCGGCTTCGCGCCG 706
QY 781 GGGGTGGTGGCCAAACCACTGGAACTTCCACTGGATCTACTGGCTGGGCGCCACTCTGCTG 840
Db 707 GGGCTGCTGGGTGGCGGTGGAGGACCACTGGGTGACTGGCTGGGCGCTTCCTCGGC 766
QY 841 GGCCTGCTGTTTGGACTCTCTCATTTAGGTGCTTCAAT 876
Db 767 GCGGCGCTTTCAGGGCTGTGTACAGTACCTGGTT 802

RESULT 15
US-09-372-422A-33
; Sequence 33, Application US/09372422A
; Patent No. 6313375
; GENERAL INFORMATION:
; APPLICANT: Rudolf Jung
; APPLICANT: Francois Barrieu
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; PRIOR FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 33
; LENGTH: 1081
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (37) ... (799)
US-09-372-422A-33

Query Match 7.4%; Score 99.6; DB 4; Length 1081;
Best Local Similarity 49.8%; Pred. No. 5.3e-17; Indels 12; Gaps 1;
Matches 289; Conservative 0; Mismatches 279;

QY 259 GGCCTGCTCTCTTTCATTCGCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 318
Db 145 GGCCTGAGATCGGGATGCGCTTCAGTAAGCTCACGAGCGTGGCGCGCCACTCTGCC 204
QY 319 GGCCTGCTGACGCGCGCTGCGCCACGCGGTGCTTTGGGGCTGCTGATTTGCCACGCTG 378
Db 205 GGCCTCATCGCGCGCTTCTTGGCGACGCGCTTCTGTTGGCGCTTCTCGTGGCT 264
QY 379 GGGAAATATCAGTGGTGACACTTCAACCTGCGGTGCTCCCTGGCAGCCATGCTGATCGGA 438
Db 265 GCGCAATCTCGCGCGGCGACGTAACCTGCGGTGACCTTCGCGCGCTTTTGTGGCGCGC 324
QY 439 GGCCTCAACTGGTGATGCTCTCCGTTACTGGGTCTCAGAGTCTCAGAGTCTCGGGGGATGTC 498
Db 325 AACATCAGCTCTCTCAAGGCGCTGCTTACTGGTGGCGCGCTCTCTGGGTCTCGCTCGTC 384
QY 499 GGGGCTGCTTGGCCAAAGCGCGTGTCTGAGGAGAGGTCTTGAATGCTATCTGGGCGC 558
Db 385 GCTGCTCTCTCTCAAGAT-----CGCCACGGGGGCGCGCGCTTGGCGCGC 432
QY 559 GCGTTTGTGACAGTCCAGGAGCGGGGCGAGTGGGCGGGGCGTGGTGGCAGAGATCATC 618
Db 433 TTCTCGCTGTGCGCGGCGCTCGCGCGCATGAACCGCTGTGTGTGAGATGTTGATGACC 492
QY 619 CTGACGAGCTGCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 678
Db 493 TTGGGCTGTGTACAGGTGTACGCGCGCGCTGAGACCCCAAGAGGGCGACCTCGGC 552
QY 679 CCTCTGCGCGCGCTTCTTCCATCGGCTTTGCGCTTTCACGCTGAGATATCTCTGGGCGCCT 738

Db	553	GTCA	TCGCGCCCA	TCGCCAT	CGGCTT	CA	TCGCGGCCCA	CA	ATCCTT	GGCGGGCGGC	612
Qy	739	GTG	TCGGAGG	CTGCAT	GAATCC	CGCCG	CTTT	TGG	ACCTG	GGTGG	CCAC
Db	613	TT	CGACGG	CGCTC	CA	TGA	ACCCG	CGCT	CTC	CTT	CGCCCG
Qy	799	TG	GAAC	TTCC	ACTG	ATCT	ACTG	CTGG	CCCA	CTC	CTG
Db	673	TG	GAGA	ACCA	CTGG	GTG	TACT	GGT	CGCC	CACT	CGCG

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OM nucleic - nucleic search, using sw model

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Perfect score: 1354

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Maximum DB seq length: 2000000000

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Maximum Match 100%

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- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq*
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- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq*
- 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq*
- 13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq*
- 14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq*
- 15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq*
- 16: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq*
- 17: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq*
- 18: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	1213.6	89.6	1312	9	US-09-981-353-62
4	1213.6	89.6	1312	14	US-10-396-943-5
5	1213.4	89.6	1410	9	US-09-925-299-67
6	1213.4	89.6	1410	10	US-09-925-299-67
7	1213.4	89.6	1410	14	US-10-023-896-40
8	1213.4	89.6	1410	14	US-10-106-698-245
9	1210.2	89.4	1314	14	US-10-216-408-16
10	1203.4	88.9	1324	14	US-10-158-646-49
11	1202	88.8	1388	14	US-10-023-896-11
12	1202	88.8	1712	14	US-10-106-698-1986
13	1200.4	88.7	1309	15	US-10-295-027-459
14	473.8	35.0	562	14	US-10-396-943-6
15	315.2	23.3	321	10	US-09-803-719-2329

16	312.8	23.1	317	10	US-09-803-719-2269	Sequence 2369, Ap
17	310.6	22.9	318	10	US-09-803-719-2361	Sequence 2361, Ap
18	305.2	22.5	321	10	US-09-803-719-2362	Sequence 2362, Ap
19	280.8	20.7	314	10	US-09-803-719-2328	Sequence 2328, Ap
20	277.4	20.5	281	14	US-10-216-408-9	Sequence 9, Appl
21	271	20.0	282	14	US-10-216-408-12	Sequence 12, Appl
22	266	19.6	269	14	US-10-216-408-7	Sequence 7, Appl
23	261	19.3	274	14	US-10-396-943-4	Sequence 4, Appl
24	257	19.0	257	14	US-10-216-408-4	Sequence 4, Appl
25	255.4	18.9	257	14	US-10-216-408-11	Sequence 11, Appl
26	251.4	18.6	620	14	US-10-396-943-7	Sequence 7, Appl
27	244	18.0	244	14	US-10-216-408-3	Sequence 3, Appl
28	244	18.0	244	14	US-10-216-408-6	Sequence 6, Appl
29	243.8	18.0	279	14	US-10-216-408-14	Sequence 14, Appl
30	233	17.2	233	14	US-10-396-943-3	Sequence 3, Appl
31	230.8	17.0	256	14	US-10-216-408-10	Sequence 10, Appl
32	228.4	16.9	231	14	US-10-216-408-13	Sequence 13, Appl
33	224	16.5	224	14	US-10-216-408-5	Sequence 5, Appl
34	215.4	15.9	220	14	US-10-216-408-15	Sequence 15, Appl
35	199.4	14.7	201	14	US-10-216-408-8	Sequence 8, Appl
36	183.2	13.5	279	14	US-10-396-943-8	Sequence 8, Appl
37	134.4	9.9	325	14	US-10-396-943-10	Sequence 10, Appl
38	123	9.1	222	14	US-10-216-408-2	Sequence 2, Appl
39	117.8	8.7	759	9	US-09-887-576-810	Sequence 810, Appl
40	114.2	8.4	159	14	US-10-396-943-9	Sequence 9, Appl
41	107.6	7.9	1008	15	US-10-310-154-238	Sequence 238, Appl
42	107.6	7.9	1238	15	US-10-409-701-14	Sequence 14, Appl
43	106.2	7.8	747	9	US-09-887-576-781	Sequence 781, Appl
44	105.4	7.8	750	15	US-10-260-238-5572	Sequence 5572, Appl
45	99.4	7.3	1827	9	US-09-887-576-817	Sequence 817, Appl

ALIGNMENTS

RESULT 1
US-09-864-711-8
; Sequence 8 Application US/09864711
; Patent No. US20020077309A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR PANCREATIC DISORDERS
; FILE REFERENCE: PB-0008-1 CIP
; CURRENT APPLICATION NUMBER: US/09/864,711
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 1354
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: 2774542CB1
US-09-864-711-8

Query Match	100.0%	Score 1354	DB 9	Length 1354
Best Local Similarity	100.0%	Pred. No. 0		
Matches 1354	Conservative	0	Mismatches	0
		0	Indels	0
		0	Gaps	0
QY	1	GGTGAGCCCTCTGTCGGCATCTTCTCTCCAGGCTGGCAGAGGAGGGGGCTGTGAATT	60	
DB	1	GGTGAGCCCTCTGTCGGCATCTTCTCTCCAGGCTGGCAGAGGAGGGGGCTGTGAATT	60	
QY	61	AATTCAGGTTGGGGTGGGGCTTCTATCTGACTTGCCTCCACCCGCTGCTCT	120	
DB	61	AATTCAGGTTGGGGTGGGGCTTCTATCTGACTTGCCTCCACCCGCTGCTCT	120	
QY	121	GTCCCTTTTCCCTACGGCAGATAGCCATGTGTGAGCTGAATTTGGCAATGCAAGGCC	180	
DB	121	GTCCCTTTTCCCTACGGCAGATAGCCATGTGTGAGCTGAATTTGGCAATGCAAGGCC	180	

181 AGGGAGCCGAGCGTGGGTGGCAGGTGGCGAGTCTCTGGTACGAACGGTTTGTGAGCCA 240
181 AGGGAGCCGAGCGTGGGTGGCAGGTGGCGAGTCTCTGGTACGAACGGTTTGTGAGCCA 240
241 TGTCTGGTGCAGATGCTGGGCTCTGCTCTCTCTCATCTTTCATCGGGTGGCTGTGGTCAAT 300
241 TGTCTGGTGCAGATGCTGGGCTCTGCTCTCTCTCATCTTTCATCGGGTGGCTGTGGTCAAT 300
301 GAGAAATGGGACGACACTGGGCTGGTGGCAGCGGCTGGCCCAAGGGTGGCTTTGGG 360
301 GAGAAATGGGACGACACTGGGCTGGTGGCAGCGGCTGGCCCAAGGGTGGCTTTGGG 360
361 CTGCTGATTGCCACGCTGGGGAATATCACTGTGTGACACTTCAACCTCGCGTGTCCCTG 420
361 CTGCTGATTGCCACGCTGGGGAATATCACTGTGTGACACTTCAACCTCGCGTGTCCCTG 420
421 GCAGCCATGCTGATCGAGGCTTCAACCTGTGTGATGCTCTCTCTCTCTCTCTCTCTCAAG 480
421 GCAGCCATGCTGATCGAGGCTTCAACCTGTGTGATGCTCTCTCTCTCTCTCTCTCTCAAG 480
481 CTGCTCGGGGATGCTCGGGGCTGCTTGGCCAAAGGGCTGAGTCTTGAAGAGGTTTC 540
481 CTGCTCGGGGATGCTCGGGGCTGCTTGGCCAAAGGGCTGAGTCTTGAAGAGGTTTC 540
541 TGAATGCAATCTGGGCGGCTTTGTGACAGTCTCAAGAGCAGGCGCAGGTGGCAGGGCG 600
541 TGAATGCAATCTGGGCGGCTTTGTGACAGTCTCAAGAGCAGGCGCAGGTGGCAGGGCG 600
601 TTGGTGGCAGATCATCTGACGAGCTGCTGGCCCTGGCTGATGATGATGATGATGATGATG 660
601 TTGGTGGCAGATCATCTGACGAGCTGCTGGCCCTGGCTGATGATGATGATGATGATGATG 660
661 AATGAGAACAAAGGGCCCTCTGGCCCGTCTTCCATCGGCTTTTCCATCGGCTTTCAGT 720
661 AATGAGAACAAAGGGCCCTCTGGCCCGTCTTCCATCGGCTTTTCCATCGGCTTTCAGT 720
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721 ATCTGGCTGGGGCCCTCTGCTGGAGCTGATGATGATGATGATGATGATGATGATGATG 780
781 GGGTGGTGGCCAAACACATGGAACTTCCACTGGATCTACTGGCTGGGCGCCTCTCTGGCT 840
781 GGGTGGTGGCCAAACACATGGAACTTCCACTGGATCTACTGGCTGGGCGCCTCTCTGGCT 840
841 GGCCTGCTTTGGATCTGCTATAGTGTCTTCAATGGAGATGGGAAAGACCGGCTCTATC 900
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901 CTGAAGGCTCGGTGAAGCAGAGCTCGTGGGATTTCTGCTGCTCAGGTGTCTCAGCTCA 960
901 CTGAAGGCTCGGTGAAGCAGAGCTCGTGGGATTTCTGCTGCTCAGGTGTCTCAGCTCA 960
961 CTGTCTCCAGACTGAGGACAGGGAGTTCTGCAATTTCTGCTGCTGCTGCTGCTGCTGCTG 1020
961 CTGTCTCCAGACTGAGGACAGGGAGTTCTGCAATTTCTGCTGCTGCTGCTGCTGCTGCTG 1020
1021 GAGCGACCCCTGCTTCCACTGCTGGGCTGCTTCTCAGATAGACTGCTGCTGAGGA 1080
1021 GAGCGACCCCTGCTTCCACTGCTGGGCTGCTTCTCAGATAGACTGCTGCTGAGGA 1080
1081 GGCCTTAGTCTTGGAAATTCCTTTGTCTCATCAGAGCCCAAGCTTGGGAAACAGGCT 1140
1081 GGCCTTAGTCTTGGAAATTCCTTTGTCTCATCAGAGCCCAAGCTTGGGAAACAGGCT 1140
1141 GCCCGACCTGCCAGAGAGAGTGCNAACACACACAGAGCGTGTCTTCTGAGAGGA 1200
1141 GCCCGACCTGCCAGAGAGAGTGCNAACACACACAGAGCGTGTCTTCTGAGAGGA 1200
1201 TGTCTCCGAGTTGGAACAAGAGGCTGTTTCTGCAATCAGCTCAATTTCCCGCACCCCAAT 1260
1201 TGTCTCCGAGTTGGAACAAGAGGCTGTTTCTGCAATCAGCTCAATTTCCCGCACCCCAAT 1260
1261 TCTTGTCTGATTTGTTGGGGGCTGGCCACTTCTCTGCTTCTCTCAAGCTGCAATTC 1320

1261 TCCTGCTGATGCTTTGTTGGGGGCTTGGCAGCTTCTCTCTCTCTCTCTCTCTCTCTCTCT 1320
1321 TCACTTTGCAATAAATAGTCCAGTGTTCCTTCC 1354
1321 TCACTTTGCAATAAATAGTCCAGTGTTCCTTCC 1354
RESULT 2
US-10-396-943-2
; Sequence 2, Application US/10396943
; Publication No. US20030158085A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkumth, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/10/396,943
; CURRENT FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US/09/610,906
; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 2
; LENGTH: 1354
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030158085A1 2774542CB1
; PUBLICATION INFORMATION:
US-10-396-943-2
Query Match 100.0%; Score 1354; DB 14; Length 1354;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1354; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGTGAGCCCTCTGCTGGCAGTCT 60
DB 1 GGTGAGCCCTCTGCTGGCAGTCT 60
QY 61 AATTCAAGGTGTGGGGGTGGGGGCTTCTATATCTGAGCTTGTGCTCTCTCTCTCTCTCTCTCTCT 120
DB 61 AATTCAAGGTGTGGGGGTGGGGGCTTCTATATCTGAGCTTGTGCTCTCTCTCTCTCTCTCTCTCT 120
QY 121 GTCCCTTTTTCCTCTACGCGCAGATAGCCATGTGTGAGCTTGAATTTGGCAATGCAAGGCC 180
DB 121 GTCCCTTTTTCCTCTACGCGCAGATAGCCATGTGTGAGCTTGAATTTGGCAATGCAAGGCC 180
QY 181 AGGAGCCCGAGCGTGGGTGGCAGGTGGCGAGTGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 240
DB 181 AGGAGCCCGAGCGTGGGTGGCAGGTGGCGAGTGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 240
QY 241 TGTCTGCTCGAATGCTGTGGGCTGCT 300
DB 241 TGTCTGCTCGAATGCTGTGGGCTGCT 300
QY 301 GAGAAATGGGACGAGCACTGGGCTGTCTGACGCGGCTCTGGCCCAAGGGTGGCTTTGGGG 360
DB 301 GAGAAATGGGACGAGCACTGGGCTGTCTGACGCGGCTCTGGCCCAAGGGTGGCTTTGGGG 360
QY 361 CTGCTGATTTGCCACGCTGGGGAATATCACTGTGTGACACTTCAACCTCGCGTGTCCCTG 420
DB 361 CTGCTGATTTGCCACGCTGGGGAATATCACTGTGTGACACTTCAACCTCGCGTGTCCCTG 420
QY 421 GCAGCCATGCTGATCGAGGCTTCAACCTGTGTGATGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 480
DB 421 GCAGCCATGCTGATCGAGGCTTCAACCTGTGTGATGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 480
QY 481 CTGCTCGGGGAGTGTCTGGGCTGGCTTGGCCAAAGGGTGGCTTCTCTCAAGCTGCAATTC 540


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481 DB CTGCTCGGGGATCTCGGGCTCCCTTGGCAAGGGGCTGAGTCTTGGAGAGAGTTC 540
541 QY TGGAAATGATCTCGGGGCGCCCTTTGTGACAGTCCAGGAGCAGGGGCGAGGCGGCG 600
541 DB TGGAAATGATCTCGGGGCGCCCTTTGTGACAGTCCAGGAGCAGGGGCGAGGCGGCG 600
601 QY TTGGTGGCAGAGATCATCTGACAGAGCTGCTGGCCCTGGCTGTATGATGATGATGATG 660
601 DB TTGGTGGCAGAGATCATCTGACAGAGCTGCTGGCCCTGGCTGTATGATGATGATGATG 660
661 QY AATGAGAGACAAAGGGCCCTCTGACCGGCTTCTCCATCGGCTTTGGCGTCAACGCTGAT 720
661 DB AATGAGAGACAAAGGGCCCTCTGACCGGCTTCTCCATCGGCTTTGGCGTCAACGCTGAT 720
721 QY ATCTCTGGCTGGGGCCCTGTGTCTGGAGGCTGCAATCCCGCCGCTTTTGGACCT 780
721 DB ATCTCTGGCTGGGGCCCTGTGTCTGGAGGCTGCAATCCCGCCGCTTTTGGACCT 780
781 QY GGCTGGTGGCCCAACACTGGAATCTTCCACTGATCTACTGCTGGGCGCCACTCTGGCT 840
781 DB GGCTGGTGGCCCAACACTGGAATCTTCCACTGATCTACTGCTGGGCGCCACTCTGGCT 840
841 QY GGCCTGCTTGTGAGTCTCATTAGGTGCTTCAATGGAGATGGAGACCGGCTCATC 900
841 DB GGCCTGCTTGTGAGTCTCATTAGGTGCTTCAATGGAGATGGAGACCGGCTCATC 900
901 QY CTGAAGGCTCGGTGAAGCAGAGCTCGTGGGATCTTCTGCTGCTCCAGGTGTCTCAGTCA 960
901 DB CTGAAGGCTCGGTGAAGCAGAGCTCGTGGGATCTTCTGCTGCTCCAGGTGTCTCAGTCA 960
961 QY CCTGTCCAGACTGAGGACAGGGAGTCTCTGCAATTTCTGCAAGGCGAGAGGCCAGAG 1020
961 DB CCTGTCCAGACTGAGGACAGGGAGTCTCTGCAATTTCTGCAATTTCTGCAAGGCGAGAGGCCAGAG 1020
1021 QY GAGGACCCCTGCTTCCACTGCTTGGGCTGCTTCTCAGATAGACTGCTGAGGA 1080
1021 DB GAGGACCCCTGCTTCCACTGCTTGGGCTGCTTCTCAGATAGACTGCTGAGGA 1080
1081 QY GGCTAGGTCTTGGAAATCTTGTGCTCATCAGAGCCCTGAGGAGACAGCT 1140
1081 DB GGCTAGGTCTTGGAAATCTTGTGCTCATCAGAGCCCTGAGGAGACAGCT 1140
1141 QY GCCCGACTGCCAGAGAGCTGCAACACCAACACAGCGCTGTTCTTGAGAGGAA 1200
1141 DB GCCCGACTGCCAGAGAGCTGCAACACCAACACAGCGCTGTTCTTGAGAGGAA 1200
1201 QY TGTCGCCAGTGGACAGAGAGCTGTTTCTGCAATGCAATGCTCAATTTCCGCAACCCATT 1260
1201 DB TGTCGCCAGTGGACAGAGAGCTGTTTCTGCAATGCAATGCTCAATTTCCGCAACCCATT 1260
1261 QY TCTTGCTTGTGCTTGTGCTGGGCGCTGGCCACTTCTGCTTCTCAAGCTGCAATTC 1320
1261 DB TCTTGCTTGTGCTTGTGCTGGGCGCTGGCCACTTCTGCTTCTCAAGCTGCAATTC 1320
1321 QY TCACCTTTCATAAATAGTCCAGTGTTCCTTCC 1354
1321 DB TCACCTTTCATAAATAGTCCAGTGTTCCTTCC 1354

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RESULT 3

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US-09-981-353-62
; Sequence 62, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program

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; SEQ ID NO 62
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1804734CB1
; US-09-981-353-62

Query Match      89.6%; Score 1213.6; DB 9; Length 1312;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1219; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

122 QY TCCCTTTTCCCTAGCGCAGATAGCCATGTGTGAGCCCTGAAATTTGGCAATGACAGGCCA 181
    DB TCTGATGTCTGGAGACAGATAGCCATGTGTGAGCCCTGAAATTTGGCAATGACAGGCCA 144
182 QY GGGAGCCGAGCCTGGGTGGCAGGTGGCAGTGTCTGTGACAGAGGTTTGTGAGCCAT 241
    DB GGGAGCCGAGCCTGGGTGGCAGGTGGCAGTGTCTGTGACAGAGGTTTGTGAGCCAT 204
242 QY GTCTGTGCAAACTGCTGGGCTCTGCTCTCTTCACTTCAATGCGGGTGCCTGTCTGCTCAT 301
    DB GTCTGTGCAAACTGCTGGGCTCTGCTCTCTTCACTTCAATGCGGGTGCCTGTCTGCTCAT 264
302 QY AGAAATGGAGCGACACTGGGCTGTGTGAGCCGCGCCCTTGGCCACAGGGCTTGGGCGC 361
    DB AGAAATGGAGCGACACTGGGCTGTGTGAGCCGCGCCCTTGGCCACAGGGCTTGGGCGC 324
362 QY TCGTGAATGCCACGCTGGGGAATATCAGTGTGTGACACTTCAACCCCTGCGGTGTCCTGG 421
    DB TCGTGAATGCCACGCTGGGGAATATCAGTGTGTGACACTTCAACCCCTGCGGTGTCCTGG 384
422 QY CAGCCATGCTGATCGAGCGCTCAACCTGTGTGATGCTCTCTCCCGTACTGAGGTCTCAGC 481
    DB CAGCCATGCTGATCGAGCGCTCAACCTGTGTGATGCTCTCTCCCGTACTGAGGTCTCAGC 444
482 QY TGCTGGGGGAGTGTCTGGGGCTGCTTGGCGAGGGGCTGAGTCTTGGAGAGAGGTCT 541
    DB TGCTGGGGGAGTGTCTGGGGCTGCTTGGCGAGGGGCTGAGTCTTGGAGAGAGGTCT 504
542 QY GGAATGCACTTGGGGCGGCTTTGTGACAGTCCAGGAGCAGGGGCGAGTGGCAGGGCGT 601
    DB GGAATGCACTTGGGGCGGCTTTGTGACAGTCCAGGAGCAGGGGCGAGTGGCAGGGCGT 564
602 QY TGGTGGCAGAGATCATCTGACAGAGCTGTGTGGCCCTGGCTGTATGATGAGTGGTGGCATA 661
    DB TGGTGGCAGAGATCATCTGACAGAGCTGTGTGGCCCTGGCTGTATGATGAGTGGTGGCATA 624
662 QY ATGAGAGACAAAGGGCCCTCTTGGCCCGCTTCTCCATCGGCTTTGCGCTTCAACCGTGATA 721
    DB ATGAGAGACAAAGGGCCCTCTTGGCCCGCTTCTCCATCGGCTTTGCGCTTCAACCGTGATA 684
722 QY TCCCTGGCTGGGGCGCCCTGTGTGTGAGGCTGCAATGAAATCCCGCCCGCTTGTGAGCTG 781
    DB TCCCTGGCTGGGGCGCCCTGTGTGTGAGGCTGCAATGAAATCCCGCCCGCTTGTGAGCTG 744
782 QY CGGTGTCGCCCAACCACTGGAACTTCCATGGAATCTAGTGGTGGGCGCACTCTCTGGCTG 841
    DB CGGTGTCGCCCAACCACTGGAACTTCCATGGAATCTAGTGGTGGGCGCACTCTCTGGCTG 804
842 QY GCCTCTTGTGTTGGACTGCTCAATAGGTGCTTCAATGGAGATGGGAAGACCGCCCTCATCC 901
    DB GCCTCTTGTGTTGGACTGCTCAATAGGTGCTTCAATGGAGATGGGAAGACCGCCCTCATCC 864
902 QY TGAAGGCTCGGTGAAGCAGAGCTGTGTGGATTTCTGCTTCCAGGTGTCTTCAAGTCTAC 961
    DB TGAAGGCTCGGTGAAGCAGAGCTGTGTGGATTTCTGCTTCCAGGTGTCTTCAAGTCTAC 924
962 QY CTGTCCAGACTGAGGACAGGGGAGTTCCTGCAATTTCTGCGCAGGCGAGAGGCCAGAGG 1021
    DB CTGTCCAGACTGAGGACAGGGGAGTTCCTGCAATTTCTGCGCAGGCGAGAGGCCAGAGG 984

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QY 1022 AGCGACCCCTGCTTCCACTGCTTGGGCTGCTTCTCAGATAGACTGCTGAGGAG 1081
Db 985 AGCGACCCCTGCTTCCACTGCTTGGGCTGCTTCTCAGATAGACTGCTGAGGAG 1044
QY 1082 GCTCTAGGTTCTTGGAAATCCCTTGGCTCATCAGAGACCCAGCTGGGACACGCTG 1141
Db 1045 GCTCTAGGTTCTTGGAAATCCCTTGGCTCATCAGAGACCCAGCTGGGACACGCTG 1104
QY 1142 CCGCACTGCCAGAGAGAGTGCACCAACCAACACAGAGCGTGTCTTGGAGGAAT 1201
Db 1105 CCGCACTGCCAGAGAGAGTGCACCAACCAACACAGAGCGTGTCTTGGAGGAAT 1164
QY 1202 GTCCCGAGTGGACAGAGAGCTGTCTTGTGCACATCAGCTCAATTCGCGACCCCATTT 1261
Db 1165 GTCCCGAGTGGACAGAGAGAGCTGTCTTGTGCACATCAGCTCAATTCGCGACCCCATTT 1224
QY 1262 CTGTGTTGATGCTTGTGTTGGGCGCTGGCCACTTCCCTTGCTTCTCAAGCTGACAAATCT 1321
Db 1225 CTGTGTTGATGCTTGTGTTGGGCGCTGGCCACTTCCCTTGCTTCTCAAGCTGACAAATCT 1284
QY 1322 CACTTTGCAATAAATAGTCCAGTGTTC 1349
Db 1285 CACTTTGCAATAAATAGTCCAGTGTTC 1312

RESULT 4

US-10-396-943-5
; Sequence 5, Application US/10396943
; Publication No. US20030158085A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmueth, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/10/396,943
; CURRENT FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US/09/610,906
; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 5
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20030158085A1 1804734CB1
; PUBLICATION INFORMATION:
US-10-396-943-5

Query Match 89.6%; Score 1213.6; DB 14; Length 1312;
Best Local Similarity 99.3%; Pred No. 0;
Matches 1219; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
QY 122 TCCCTTTTCCCTACGGCAGATAGCCATGTGTGAGCCCTGAATTTGGCAATGACAAGGCCA 181
Db 85 TCCCTGATGTCTGGAGAGCAGATAGCCATGTGTGAGCCCTGAATTTGGCAATGACAAGGCCA 144
QY 182 GGGACCCGAGGTGGGTGGCAGGTGGCAGGTGCTGTGTAGAACGGTTGTGAGCCAT 241
Db 145 GGGACCCGAGGTGGGTGGCAGGTGGCAGGTGCTGTGTAGAACGGTTGTGAGCCAT 204
QY 242 GTCTGGTCAACTGCTGGGCTGTCTCTTTCATCTTCATCGGGTGGCTGTGCGGTCAATTG 301
Db 205 GTCTGGTCAACTGCTGGGCTGTCTCTTTCATCTTCATCGGGTGGCTGTGCGGTCAATTG 264
QY 302 AGAATGGGACGACACTGGGCTGTGTGAGCGCGCCCTGGCCCAAGGCTGGCTTTGGGGC 361
Db 265 AGAATGGGACGACACTGGGCTGTGTGAGCGCGCCCTGGCCCAAGGCTGGCTTTGGGGC 324

RESULT 5

US-09-925-299-67
; Sequence 67, Application US/09925299
; Patent No. US20020055627A1

QY 362 TCCTGATTTGCCAGCTGGGGAATATCAGTGTGGGACACTTCAACCTCGGCTGCCCTGG 421
Db 325 TCCTGATTTGCCAGCTGGGGAATATCAGTGTGGGACACTTCAACCTCGGCTGCCCTGG 384
QY 422 CAGCCATGTGTGATTCGAGAGCCCTCAACCTGATGCTCCTCCGTAATGGGCTCACAAGC 481
Db 385 CAGCCATGTGTGATTCGAGAGCCCTCAACCTGATGCTCCTCCGTAATGGGCTCACAAGC 444
QY 482 TGCTTCGGGGGATGTCTCGGGGCTGCTTGGCCCAAGGCGGTGAGTCTCCTGAGGAGAGTTCT 541
Db 445 TGCTTCGGGGGATGTCTCGGGGCTGCTTGGCCCAAGGCGGTGAGTCTCCTGAGGAGAGTTCT 504
QY 542 GGAATGCATCTGGGGCGGCTTTGTGACAGTCCAGAGCAGGGGAGGTGGCAGGGGGT 601
Db 505 GGAATGCATCTGGGGCGGCTTTGTGACAGTCCAGAGCAGGGGAGGTGGCAGGGGGT 564
QY 602 TGGTGACAGAGATCATCTGACAGAGCTGCTGGCCCTGGCTGTATGCAATGGGTGCATCA 661
Db 565 TGGTGACAGAGATCATCTGACAGAGCTGCTGGCCCTGGCTGTATGCAATGGGTGCATCA 624
QY 662 ATGAGAAGCAAAAGGGCCCTCTGGCCCGCTTCCATCGGCTTTCCCTCAGCTGGGATA 721
Db 625 ATGAGAAGCAAAAGGGCCCTCTGGCCCGCTTCCATCGGCTTTCCCTCAGCTGGGATA 684
QY 722 TCCTGCTGGGGCGGCTGTGTCTGAGAGCTGCATGAATCCCGCCGCTGCTTTGGACCTG 781
Db 685 TCCTGCTGGGGCGGCTGTGTCTGAGAGCTGCATGAATCCCGCCGCTGCTTTGGACCTG 744
QY 782 CGGTGGTGGCCCAACCACTGGAACTTCCACTGATCTACTGGCTGGGGCCCACTCCTGGGCTG 841
Db 745 CGGTGGTGGCCCAACCACTGGAACTTCCACTGATCTACTGGCTGGGGCCCACTCCTGGGCTG 804
QY 842 GCTGCTTGTGAGTGTCTCATTTAGTGTCTTCTTGGAGATGGGAAGACCCGCTCATCC 901
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QY 902 TGAAGGCTCGGTGAAGCAGAGCTCGTGGGATTCCTGCTGCTCCAGGTGCTCCTCAGCTCAC 961
Db 865 TGAAGGCTCGGTGAAGCAGAGCTCGTGGGATTCCTGCTGCTCCAGGTGCTCCTCAGCTCAC 924
QY 962 CTGTCCAGACTGAGGACAGGGGAGTTCTGCAATTTCTGCCAGGCGCAGAGCCAGAGG 1021
Db 925 CTGTCCAGACTGAGGACAGGGGAGTTCTGCAATTTCTGCCAGGCGCAGAGCCAGAGG 984
QY 1022 AGCGACCCCTGCTTCCACTGCTGGGCTGCTTCTCAGATAGACTGACTGCTGAGGAG 1081
Db 985 AGCGACCCCTGCTTCCACTGCTGGGCTGCTTCTCAGATAGACTGACTGCTGAGGAG 1044
QY 1082 GCTCTAGGTTCTTGGAAATTCCTTTGTGCTCATCAGAGACCCAGCTGGGGAAACACGCTG 1141
Db 1045 GCTCTAGGTTCTTGGAAATTCCTTTGTGCTCATCAGAGACCCAGCTGGGGAAACACGCTG 1104
QY 1142 CCGCACTGCCAGAGAGAGTGCACCAACCAACACAGAGCGTGTCTTGGAGGAAT 1201
Db 1105 CCGCACTGCCAGAGAGAGTGCACCAACCAACACAGAGCGTGTCTTGGAGGAAT 1164
QY 1202 GTCCCGAGTGGACAGAGAGCTGTCTTGTGCACATCAGCTCAATTCGCGACCCCATTT 1261
Db 1165 GTCCCGAGTGGACAGAGAGCTGTCTTGTGCACATCAGCTCAATTCGCGACCCCATTT 1224
QY 1262 CTGTGTTGATGCTTGTGTTGGGCGCTGGCCACTTCTTGTGCTTCTCAAGCTGACAAATCT 1321
Db 1225 CTGTGTTGATGCTTGTGTTGGGCGCTGGCCACTTCTTGTGCTTCTCAAGCTGACAAATCT 1284
QY 1322 CACTTTGCAATAAATAGTCCAGTGTTC 1349
Db 1285 CACTTTGCAATAAATAGTCCAGTGTTC 1312

GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 67
; LENGTH: 1410
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-299-67

Query Match 89.6%; Score 1213.4; DB 9; Length 1410;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1214; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 140 AGATAGCCATGTGTAGGCTGAATTTGGCAATGACAAGGCCAGGAGCCGAGCGTGGGTG 199
Db 111 AGATAGCCATGTGTAGGCTGAATTTGGCAATGACAAGGCCAGGAGCCGAGCGTGGGTG 170
QY 200 GCAGGTGGCGAGTGTCTGACGAGCGTTTGTGACGAGCGATGTCTGCAATGCTGG 259
Db 171 GCAGGTGGCGAGTGTCTGACGAGCGTTTGTGACGAGCGATGTCTGCAATGCTGG 230
QY 260 GCTCTGCTCTCTTCACTTCTTCATCGGCTGCTTGTGAGGAGCGTGTGCAATGCTGG 319
Db 231 GCTCTGCTCTCTTCACTTCTTCATCGGCTGCTTGTGAGGAGCGTGTGCAATGCTGG 290
QY 320 GCTCTGCTGAGCGGCGCTTGCACACGCGTGTGCTTTGGGCTCGTGAATGCCACGCTGG 379
Db 291 GCTCTGCTGAGCGGCGCTTGCACACGCGTGTGCTTTGGGCTCGTGAATGCCACGCTGG 350
QY 380 GGAATATCAGTGTGGAGCACTTCAACCTCGGCTGTGCTGCGGAGCGATGCTGATCGGAG 439
Db 351 GGAATATCAGTGTGGAGCACTTCAACCTCGGCTGTGCTGCGGAGCGATGCTGATCGGAG 410
QY 440 GCTCAACCTGGTGTGCTTCCCGTACTCGGCTCTCACAGCTGCTCGGGGGAGTGTCTG 499
Db 411 GCTCAACCTGGTGTGCTTCCCGTACTCGGCTCTCACAGCTGCTCGGGGGAGTGTCTG 470
QY 500 GGGCTGCTTGGCCAGGCGGTGCTGCTGAGGAGGTTCTGAAATGCAATCTGGGCGG 559
Db 471 GGGCTGCTTGGCCAGGCGGTGCTGCTGAGGAGGTTCTGAAATGCAATCTGGGCGG 530
QY 560 CTTTGTGACAGTCCAGGAGCAGGCGAGGTGGCAGGGCGTGTGCTGCGAGAGATCATCC 619
Db 531 CTTTGTGACAGTCCAGGAGCAGGCGAGGTGGCAGGGCGTGTGCTGCGAGAGATCATCC 590
QY 620 TGACGACCTGCTGCGCTGTATGATGCTGCTGATGCTGCTGCTGCTGCTGCTGCTGCTG 679
Db 591 TGACGACCTGCTGCGCTGTATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 650
QY 680 CTCTGGCCCGCTTCTCAATCGGCTTTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 739
Db 651 CTCTGGCCCGCTTCTCAATCGGCTTTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 710
QY 740 TGTCTGAGGCTGATGAATCCCGCTGCTGCTTGTGAGCTGCTGCTGCTGCTGCTGCTGCT 799
Db 711 TGTCTGAGGCTGATGAATCCCGCTGCTGCTTGTGAGCTGCTGCTGCTGCTGCTGCTGCT 770
QY 800 GGAATCTCACTGATCTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 859
Db 771 GGAATCTCACTGATCTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 830
QY 860 TCATTAGTGTCTTCAATGGAGATGGAGAGCCCGCTCATCTGAGGCTCGGTGAAGCA 919
Db 831 TCATTAGTGTCTTCAATGGAGATGGAGAGCCCGCTCATCTGAGGCTCGGTGAAGCA 890

QY 920 GAGCTGTGGGATTCCTGCTGCTCCAGGTGTCTCTAGCTCAGCTGCTGCTGCTGCTGCTG 979
Db 891 GAGCTGTGGGATTCCTGCTGCTCCAGGTGTCTCTAGCTCAGCTGCTGCTGCTGCTGCTG 950
QY 980 AGGGAGTTCTCTGCAATTTCTGTCAGGGCAGAGGCCCCAGAGGAGGAGCCCTGCTTCCA 1039
Db 951 AGGGAGTTCTCTGCAATTTCTGTCAGGGCAGAGGCCCCAGAGGAGGAGCCCTGCTTCCA 1010
QY 1040 CTGCTTTGGGCTGCTTCTCTCAGATAGCTGCTGCTGAGGAGGCTCTAGGTTCTTGGAA 1099
Db 1011 CTGCTTTGGGCTGCTTCTCTCAGATAGCTGCTGCTGAGGAGGCTCTAGGTTCTTGGAA 1070
QY 1100 TCCTTTGTGCTCATCAGAGACCCAGCTGCGGGAACACGCTGCGGCACTGCTGCGGAGAG 1159
Db 1071 TCCTTTGTGCTCATCAGAGACCCAGCTGCGGGAACACGCTGCGGCACTGCTGCGGAGAG 1130
QY 1160 CAGTGCAAAACCAACACAGAGCGTGTCTTGTGAGAGGATGTCCCGAGTTGCAAG 1219
Db 1131 CAGTGCAAAACCAACACAGAGCGTGTCTTGTGAGAGGATGTCCCGAGTTGCAAG 1190
QY 1220 GAGGCTGTTTCTGCAATCATCAGCTCATTTCCCGCAGCCCATTTCTGCTGCTGCTTGT 1279
Db 1191 GAGGCTGTTTCTGCAATCATCAGCTCATTTCCCGCAGCCCATTTCTGCTGCTGCTTGT 1250
QY 1280 TGGGGGCTTGGGCACTTCTGCTTCTCAAGCTGCAATTTCTCAATTAATAATAGT 1339
Db 1251 TGGGGGCTTGGGCACTTCTGCTTCTCAAGCTGCAATTTCTCAATTAATAATAGT 1310
QY 1340 CCAGTGTCTTCTTCC 1354
Db 1311 CCAGTGTCTTCTTCC 1325

RESULT 6

US-09-925-299-67
; Sequence 67, Application US/09925299
; Publication No. US20030040617A9
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 67
; LENGTH: 1410
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-299-67

Query Match 89.6%; Score 1213.4; DB 10; Length 1410;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1214; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 140 AGATAGCCATGTGTAGGCTGAATTTGGCAATGACAAGGCCAGGAGCCGAGCGTGGGTG 199
Db 111 AGATAGCCATGTGTAGGCTGAATTTGGCAATGACAAGGCCAGGAGCCGAGCGTGGGTG 170
QY 200 GCAGGTGGCGAGTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 259
Db 171 GCAGGTGGCGAGTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 230
QY 260 GCTCTGCTCTCTTCACTTCTTCATCGGCTGCTTGTGAGGAGCGTGTGCAATGCTGG 319
Db 231 GCTCTGCTCTCTTCACTTCTTCATCGGCTGCTTGTGAGGAGCGTGTGCAATGCTGG 290
QY 320 GCTCTGCTGAGCGGCGCTTGGCCCAAGGCGTGTGCTTGTGGGCTGCTGCTGCTGCTG 379

QY 800 GGAACCTCCACTGGATCTACTGGCTGGGCCCACTCTCTGGCTGGCCCTGCTGTGTGGAAGTGC 859
Db 771 GGAACCTCCACTGGATCTACTGGCTGGGCCCACTCTCTGGCTGGCCCTGCTGTGTGGAAGTGC 830
QY 860 TCATTAGGTGCTTCATTGAGATGGAAGACCGCTCATCTGAGGCTCGGTGAAGCA 919
Db 831 TCATTAGGTGCTTCATTGAGATGGAAGACCGCTCATCTGAGGCTCGGTGAAGCA 890
QY 920 GAGCTGCTGGGATTCCTGCTGCTCCAGGTGTCTCAGCTCACTGTCCAGACTGAGGAC 979
Db 891 GAGCTGCTGGGATTCCTGCTGCTCCAGGTGTCTCAGCTCACTGTCCAGACTGAGGAC 950
QY 980 AGGGAGGTTCCTGCTTCCTGCTCCAGGCGAGAGGCCAGAGAGGCCCTGCTTCCA 1039
Db 951 AGGGAGGTTCCTGCTTCCTGCTCCAGGCGAGAGGCCAGAGAGGCCCTGCTTCCA 1010
QY 1040 CTGCTTGGCCCTGCTTCTCAGATAGACTGCTGCTGAGGAGGCTCTAGGTTCTTGGAAAT 1099
Db 1011 CTGCTTGGCCCTGCTTCTCAGATAGACTGCTGCTGAGGAGGCTCTAGGTTCTTGGAAAT 1070
QY 1100 TCCTTTGCTCTCATCAGAGACCCAGCTTGGGGAACAGCTGCCCGCACTGCCCGAGAG 1159
Db 1071 TCCTTTGCTCTCATCAGAGACCCAGCTTGGGGAACAGCTGCCCGCACTGCCCGAGAG 1130
QY 1160 CAGTGCACAAACACCAACAGAGCGGTGTTCTTGAGAGGAATGCTCCCGAGTTGACAAAG 1219
Db 1131 CAGTGCACAAACACCAACAGAGCGGTGTTCTTGAGAGGAATGCTCCCGAGTTGACAAAG 1190
QY 1220 GAGGCTGTTTCTGACATCAGCTCATCTCCCGCAACCCATTTCTTGTGTTGTTGT 1279
Db 1191 GAGGCTGTTTCTGACATCAGCTCATCTCCCGCAACCCATTTCTTGTGTTGTTGT 1250
QY 1280 TGGGGCCCTGGCCACTTCTTCTCAAGCTGCAATTTCTCAAGCTGCAATTTCTCACTTTGCAATAAATAGT 1339
Db 1251 TGGGGCCCTGGCCACTTCTTCTCAAGCTGCAATTTCTCAAGCTGCAATTTCTCACTTTGCAATAAATAGT 1310
QY 1340 CCAGTGTTCCTTCC 1354
Db 1311 CCAGTGTTCCTTCC 1325

RESULT 8

US-10-106-698-245
; Sequence 245, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005PI
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 245
; LENGTH: 1410
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-245

Query Match 89.6%; Score 1213.4; DB 14; Length 1410;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1214; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 140 AGATAGCCATGTGTGAGCTGAAATTTGGCAATGACAGGCCAGGAGCCGAGCGTGGGTG 199
Db 111 AGATAGCCATGTGTGAGCTGAAATTTGGCAATGACAGGCCAGGAGCCGAGCGTGGGTG 170

QY 200 GCAGGTGGCAGTGTCTCTGGTACGAACGGTTTGTGAGCCATCTCTGTGCGAAGTCTGCTGG 259
Db 171 GCAGGTGGCAGTGTCTCTGGTACGAACGGTTTGTGAGCCATCTCTGTGCGAAGTCTGCTGG 230
QY 260 GCTCTGTCTCTCTTCATCTTCATCGGGTGTCTGCGGTCAATTGAGAAATGGAGCGGACACTG 319
Db 231 GCTCTGTCTCTCTTCATCTTCATCGGGTGTCTGCGGTCAATTGAGAAATGGAGCGGACACTG 290
QY 320 GGTCTGTGACAGCGCCCTGGCCACGGGCTGGCTTTGGGGCTCGTGAATTGCCACGCTGG 379
Db 291 GGTCTGTGACAGCGCCCTGGCCACGGGCTGGCTTTGGGGCTCGTGAATTGCCACGCTGG 350
QY 380 GGAATATCAGTGTGTGACACTTCAACCCCTGCGGTGTCCTTGGCAGCATCTGATCGGAG 439
Db 351 GGAATATCAGTGTGTGACACTTCAACCCCTGCGGTGTCCTTGGCAGCATCTGATCGGAG 410
QY 440 GCCTCAACCTGGTGTGATCTCTCCCTACTTGGGTCTCAGCTGCTCGGGGGGATGCTCG 499
Db 411 GCCTCAACCTGGTGTGATCTCTCCCTACTTGGGTCTCAGCTGCTCGGGGGGATGCTCG 470
QY 500 GGGCTGCTTTGGCCAAAGGGGTGAGTCTTGAAGAGAGGTTCCTGGAATGATCTGGGGCGG 559
Db 471 GGGCTGCTTTGGCCAAAGGGGTGAGTCTTGAAGAGAGGTTCCTGGAATGATCTGGGGCGG 530
QY 560 CTTTGTGTGACAGTCCAGGAGAGCGGGCAGTGGCAGGGCGTGTGTGGCAGAGATCATCC 619
Db 531 CTTTGTGTGACAGTCCAGGAGAGCGGGCAGTGGCAGGGCGTGTGTGGCAGAGATCATCC 590
QY 620 TGACGACGCTGCTGGCCCTGGCTGTATGATCATGGGTGCCATCAATGAGAGACAAAGGGCC 679
Db 591 TGACGACGCTGCTGGCCCTGGCTGTATGATCATGGGTGCCATCAATGAGAGACAAAGGGCC 650
QY 680 CTCTGGCCCGCTTCTCCATCGGCTTTCGGTCAACCGTGAATATCTGTGGCTGGGGCCCTG 739
Db 651 CTCTGGCCCGCTTCTCCATCGGCTTTCGGTCAACCGTGAATATCTGTGGCTGGGGCCCTG 710
QY 740 TGTCTGAGAGGCTGCAATGAAATCCCGCCGCTGCTTGGACCTGCGGTGGCCCAACCACT 799
Db 711 TGTCTGAGAGGCTGCAATGAAATCCCGCCGCTGCTTGGACCTGCGGTGGCCCAACCACT 770
QY 800 GGAACCTCCACTGGATCTACTGGCTGGGCCCACTCTCTGGCTGGCCCTGCTGTGTGGAAGTGC 859
Db 771 GGAACCTCCACTGGATCTACTGGCTGGGCCCACTCTCTGGCTGGCCCTGCTGTGTGGAAGTGC 830
QY 860 TCATTAGGTGCTTCATTGAGATGGAAGACCGCTCATCTGAGGCTCGGTGAAGCA 919
Db 831 TCATTAGGTGCTTCATTGAGATGGAAGACCGCTCATCTGAGGCTCGGTGAAGCA 890
QY 920 GAGCTGCTGGGATTCCTGCTGCTCCAGGTGTCTCAGCTCACTGTCCAGACTGAGGAC 979
Db 891 GAGCTGCTGGGATTCCTGCTGCTCCAGGTGTCTCAGCTCACTGTCCAGACTGAGGAC 950
QY 980 AGGGAGGTTCCTGCTTCCTGCTCCAGGCGAGAGGCCAGAGAGGCCCTGCTTCCA 1039
Db 951 AGGGAGGTTCCTGCTTCCTGCTCCAGGCGAGAGGCCAGAGAGGCCCTGCTTCCA 1010
QY 1040 CTGCTTGGCCCTGCTTCTCAGATAGACTGCTGCTGAGGAGGCTCTAGGTTCTTGGAAAT 1099
Db 1011 CTGCTTGGCCCTGCTTCTCAGATAGACTGCTGCTGAGGAGGCTCTAGGTTCTTGGAAAT 1070
QY 1100 TCCTTTGCTCTCATCAGAGACCCAGCTTGGGGAACAGCTGCCCGCACTGCCCGAGAG 1159
Db 1071 TCCTTTGCTCTCATCAGAGACCCAGCTTGGGGAACAGCTGCCCGCACTGCCCGAGAG 1130
QY 1160 CAGTGCACAAACACCAACAGAGCGGTGTTCTTGAGAGGAATGCTCCCGAGTTGACAAAG 1219
Db 1131 CAGTGCACAAACACCAACAGAGCGGTGTTCTTGAGAGGAATGCTCCCGAGTTGACAAAG 1190
QY 1220 GAGGCTGTTTCTGACATCAGCTCATTTCCGCGCAACCCATTTCTTGTGTTGTTGT 1279
Db 1191 GAGGCTGTTTCTGACATCAGCTCATTTCCGCGCAACCCATTTCTTGTGTTGTTGT 1250
QY 1280 TGGGGCCCTGGCCACTTCTTCTCAAGCTGCAATTTCTCAAGCTGCAATTTCTCACTTTGCAATAAATAGT 1339

Db 1251 TGGGGGCGCTGGGCACCTTCCTTCTCAAGCTGACAAATCTCACTTTGCAATAAATAGT 1310
Qy 1340 CCAGTGTTCCTTCC 1354
Db 1311 CCAGTGTTCCTTCC 1325

RESULT 9
US-10-216-408-16
; Sequence 16, Application US/10216408
; Publication No. US20030013159A1
; GENERAL INFORMATION:
; APPLICANT: COHEN, MAURICE
; COLPITTS, TRACEY L.
; FRIEDMAN, PAULA N.
; GRANADOS, EDWARD N.
; KLASS, MICHAEL R.
; RUSSELL, JOHN C.
; STROUPE, STEVEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; FOR DETECTING DISEASE OF THE GASTROINTESTINAL
; TRACT
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/216,408
; FILING DATE: 09-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/959,634
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6188.US.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1314 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-10-216-408-16

Query Match 89.4%; Score 1210.2; DB 14; Length 1314;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1206; Conservative 8; Mismatches 1; Indels 0; Gaps 0;

Qy 140 AGATAGCCATGTGTGAGCCCTGAATTTGGCAATGCAAGGCCAGGCGGAGCGTGGGTG 199
Db 100 AGATAGCCATGTGTGAGCCCTGAATTTGGCAATGCAAGGCCAGGCGGAGCGTGGGTG 159
Qy 200 GCAGGTGGCAGTGTCTGTGTAGCAACGGTTTGTGAGCCATGTCTGTGCGAAGTGTCTG 259
Db 160 GCAGGTGGCAGTGTCTGTGTAGCAACGGTTTGTGAGCCATGTCTGTGCGAAGTGTCTG 219

Qy 260 GCTCTGCTCTCTTCACTTTTCATCGGCTGCTCTCGTCAATGAGAATGGACGGACACTG 319
Db 220 GCTCTGCTCTCTTCACTTTTCATCGGCTGCTCTCGTCAATGAGAATGGACGGACACTG 279
Qy 320 GGCTGTGTCAGCGCGCCCTGGCCACGGGCTGGCTTTGGGGCTCGTGTGACCGCTGG 379
Db 280 GGCTGTGTCAGCGCGCCCTGGCCACGGGCTGGCTTTGGGGCTCGTGTGACCGCTGG 339
Qy 380 GGAATATCAGTGTGTGACACTTTCAACCCCTGCGGTGTCTCTGCGACCCATGTGTGAG 439
Db 340 GGAATATCAGTGTGTGACACTTTCAACCCCTGCGGTGTCTCTGCGACCCATGTGTGAG 399
Qy 440 GCCTCAACCTGTGTGATGCTCCCTCCGTACTGAGTCTCAAGCTGTCTCGGGGGATGCTCG 499
Db 400 GCCTCAACCTGTGTGATGCTCCCTCCGTACTGAGTCTCAAGCTGTCTCGGGGGATGCTCG 459
Qy 500 GGGCTGCTTTGGCCAAAGGCGGTGAGTCTCTGAGGAGAGGTTCTTGGAAATGATCTGGGGGG 559
Db 460 GGGCTGCTTTGGCCAAAGGCGGTGAGTCTCTGAGGAGAGGTTCTTGGAAATGATCTGGGGGG 519
Qy 560 CTTTGTGACAGTCCAGGAGCAGGGGAGGTGGCAGGGGCGTGTGGGAGAGATCATCC 619
Db 520 CTTTGTGACAGTCCAGGAGCAGGGGAGGTGGCAGGGGCGTGTGGGAGAGATCATCC 579
Qy 620 TGACGAGCGTGTGCGCCCTGGCTGTATGATCATGGGTGCCATCAATGAGAAGACAAAGGGCC 679
Db 580 TGACGAGCGTGTGCGCCCTGGCTGTATGATCATGGGTGCCATCAATGAGAAGACAAAGGGCC 639
Qy 680 CTCTGGCCCGCTTCTCATCGGCTTTGGCGTCAACCGTGGATATCTTGGCTGGGGGGCCCTG 739
Db 640 CTCTGGCCCGCTTCTCATCGGCTTTGGCGTCAACCGTGGATATCTTGGCTGGGGGGCCCTG 699
Qy 740 TGTCTGGAGGCTGCATGAATCCCGCCGCTGCTTTTGGAGCTCGCGTGGTGGCCAAACCACT 799
Db 700 TGTCTGGAGGCTGCATGAATCCCGCCGCTGCTTTTGGAGCTCGCGTGGTGGCCAAACCACT 759
Qy 800 GGAACCTTCCACTGGATCTACTGCTGGGCGCCACTCTCTGCTGCGCTGCTTGTGACTGC 859
Db 760 GGAACCTTCCACTGGATCTACTGCTGGGCGCCACTCTCTGCTGCGCTGCTTGTGACTGC 819
Qy 860 TCATTAGGTGCTTCATTTGGAGATGGGAAGACCGGCTCTCTGAGAGGCTCGGTGAAGCA 919
Db 820 TCATTAGGTGCTTCATTTGGAGATGGGAAGACCGGCTCTCTGAGAGGCTCGGTGAAGCA 879
Qy 920 GAGCTGTGGGATTCCTGCTGCTCCAGGTGTCTCTAGCTCACCTGTCCAGACTGAGGAC 979
Db 880 GAGCTGTGGGATTCCTGCTGCTCCAGGTGTCTCTAGCTCACCTGTCCAGACTGAGGAC 939
Qy 980 AGGGAGTTCCTGCATTTCTGCGAGGCGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1039
Db 940 AGGGAGTTCCTGCATTTCTGCGAGGCGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 999
Qy 1040 CTGCTTGGGCTGCTTTCTCAGATAGACTGACTGCTGAGGAGGCTCTAGGTTCTTGGAAAT 1099
Db 1000 CTGCTTGGGCTGCTTTCTCAGATAGACTGACTGCTGAGGAGGCTCTAGGTTCTTGGAAAT 1059
Qy 1100 TCCTTTGTGCTCATCAGAGACCCAGCTGGGGAAACAGCTGGCCGCACTGCCAGAGAG 1159
Db 1060 TCCTTTGTGCTCATCAGAGACCCAGCTGGGGAAACAGCTGGCCGCACTGCCAGAGAG 1119
Qy 1160 CAGTGAACACACCAACACGAGCGTGTCTTGGAGAGAAATGTCCTGAGTGGACAG 1219
Db 1120 CAGTGAACACACCAACACGAGCGTGTCTTGGAGAGAAATGTCCTGAGTGGACAG 1179
Qy 1220 GAGCTGTTCGACATCAGCTCATTTCCCGACCCCACTTTCTGCTTGTGATGCTTTGT 1279
Db 1180 GAGCTGTTCGACATCAGCTCATTTCCCGACCCCACTTTCTGCTTGTGATGCTTTGT 1239
Qy 1280 TGGGGGCTGGCCACTTCTTGTGCTCTCAAGCTGCAATTTCTACCTTTTCAATAAATAGT 1339
Db 1240 TGGGGGCTGGCCACTTCTTGTGCTCTCAAGCTGCAATTTCTACCTTTTCAATAAATAGT 1299
Qy 1340 CCAGTGTTCCTTCC 1354

Query Match 88.8%; Score 1202; DB 14; Length 1388;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1213; Conservative 1; Mismatches 1; Indels 1; Gaps 1;

QY 140 AGATAGCCATGTGTGAGCCCTGAATTTGGCAATGACAGGCCAGGAGCCGAGCGTGGGTG 199
DB 120 AGATAGCCATGTGTGAGCCCTGAATTTGGCAATGACAGGCCAGGAGCCGAGCGTGGGTG 179

QY 200 GCAGGTGGCAGTGTCTCTGGTAGCAACGGTTTGTGAGCCCATCTCTGGTCCGAACCTGCTGG 259
DB 180 GCAGGTGGCAGTGTCTCTGGTAGCAACGGTTTGTGAGCCCATCTCTGGTCCGAACCTGCTGG 239

QY 260 GCTCTGCTCTTTCATCTTTCATGGGTGCTGTCTGCTGATGAGATGGAGCGGACACTG 319
DB 240 GCTCTGCTCTTTCATCTTTCATGGGTGCTGTCTGCTGATGAGATGGAGCGGACACTG 299

QY 320 GGCTGTGTCAGCCGCGCTCTGCGCCACAGGGCTGGCTTTGGGGCTCGTGAATGGCCAGCTGG 379
DB 300 GGCTGTGTCAGCCGCGCTCTGCGCCACAGGGCTGGCTTTGGGGCTCGTGAATGGCCAGCTGG 359

QY 380 GGAATATCATGTGTGAGCACTTCAACCTGCGGTGCTCTGGCAGCCATCTGCTGATCGGAG 439
DB 360 GGAATATCATGTGTGAGCACTTCAACCTGCGGTGCTCTGGCAGCCATCTGCTGATCGGAG 419

QY 440 GCCTCAACCTGGTGTGCTCTCTCCGCTACTGGCTCTCAGACTGCTCGGGGGGATGCTCG 499
DB 420 GCCTCAACCTGGTGTGCTCTCTCCGCTACTGGCTCTCAGACTGCTCGGGGGGATGCTCG 479

QY 500 GGGCTGCTTTGGCCAGGCGGTGAGTCTTGGAGAGAGTTCCTGGAATGATCTGGGGCGG 559
DB 480 GGGCTGCTTTGGCCAGGCGGTGAGTCTTGGAGAGAGTTCCTGGAATGATCTGGGGCGG 539

QY 560 CCTTTGTGACAGTCCAGGAGCAGGGCAGTGGCAGGGCGGTGGTGGCAGAGATCATCC 619
DB 540 CCTTTGTGACAGTCCAGGAGCAGGGCAGTGGCAGGGCGGTGGTGGCAGAGATCATCC 599

QY 620 TGACGACGCTGTGCGCCCTGGCTGTATGATGGGTGCCATCAATGAGAGACAAGAGGCC 679
DB 600 TGACGACGCTGTGCGCCCTGGCTGTATGATGGGTGCCATCAATGAGAGACAAGAGGCC 659

QY 680 CTCTGCGCCGTTCTCCATCGGCTTTGCGTCAACGCTGATATCTGGTGGGGCCCTG 739
DB 660 CTCTGCGCCGTTCTCCATCGGCTTTGCGTCAACGCTGATATCTGGTGGGGCCCTG 719

QY 740 TGTCTGAGGCTGCATGAATCCCGCCGCTGCTTTGGACCTGCGGTGGTGGCCAACT 799
DB 720 TGTCTGAGGCTGCATGAATCCCGCCGCTGCTTTGGACCTGCGGTGGTGGCCAACT 779

QY 800 GGAATTCACCTGGATCTACTGGCTGGGCCCACTCTGCTGGCTGGCTGTGTTGACTGC 859
DB 780 GGAATTCACCTGGATCTACTGGCTGGGCCCACTCTGCTGGCTGGCTGTGTTGACTGC 839

QY 860 TCATTAGGTGCTTCATTGAGATGGAAGACCGCTCATCTGAAGCTGGTGAAGCA 919
DB 840 TCATTAGGTGCTTCATTGAGATGGAAGACCGCTCATCTGAAGCTGGTGAAGCA 899

QY 920 GAGCTCGTGGATTCCTGCTGCTCCAGGTGCTCCTCAGTTCACCTGTCCAGACTGAGGAC 979
DB 900 GAGCTCGTGGATTCCTGCTGCTCCAGGTGCTCCTCAGTTCACCTGTCCAGACTGAGGAC 959

QY 980 AGGGAGATTCCTGCTGCTCCAGGCGAGAGGCCAGAGAGGACCCCTGCTTCA 1039
DB 960 AGGGAGATTCCTGCTGCTCCAGGCGAGAGGCCAGAGAGGACCCCTGCTTCA 1019

QY 1040 CTGCTTTGGCCCTGCTTCTCAGATAGACTGACTGTGAGAGGCTCTAGGTTCTTGGAA 1099
DB 1020 CTGCTTTGGCCCTGCTTCTCAGATAGACTGACTGTGAGAGGCTCTAGGTTCTTGGAA 1079

QY 1100 TCCCTTTGTGCTCATCAGACCCGCTGGGGAACAAGCTGCCCGCTAGTCCAGAGAG 1159
DB 1080 TCCCTTTGTGCTCATCAGACCCGCTGGGGAACAAGCTGCCCGCTAGTCCAGAGAG 1139

RESULT 12
US-10-106-698-1986
; Sequence 1986, Application US/10108698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 1986
; LENGTH: 1712
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1688)..(1688)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (1692)..(1692)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (1697)..(1697)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-106-698-1986

Query Match 88.8%; Score 1202; DB 14; Length 1712;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1213; Conservative 1; Mismatches 1; Indels 1; Gaps 1;

QY 140 AGATAGCCATGTGTGAGCCCTGAATTTGGCAATGACAGGCCAGGAGCCGAGCGTGGGTG 199
DB 388 AGATAGCCATGTGTGAGCCCTGAATTTGGCAATGACAGGCCAGGAGCCGAGCGTGGGTG 447

QY 200 GCAGGTGGCAGTGTCTCTGGTAGCAACGGTTTGTGAGCCCATCTCTGGTCCGAACCTGCTGG 259
DB 448 GCAGGTGGCAGTGTCTCTGGTAGCAACGGTTTGTGAGCCCATCTCTGGTCCGAACCTGCTGG 507

QY 260 GCTCTGCTCTTTCATCTTTCATGGGTGCTCTGCGGTCAATGAGAAATGGGACGACACTG 319
DB 508 GCTCTGCTCTTTCATCTTTCATGGGTGCTCTGCGGTCAATGAGAAATGGGACGACACTG 567

QY 320 GCGTGTGACGCGGCCCTGGCCACAGGCTGGCTTGGGGCTCGTGAATGCCAGCTGG 379
DB 568 GCGTGTGACGCGGCCCTGGCCACAGGCTGGCTTGGGGCTCGTGAATGCCAGCTGG 627

QY 380 GGAATATCATGTGTGAGCACTTCAACCCCTGCGGTGTCCCTGGCAGCCATGCTGTGATCGGAG 439

Db 628 GGAATATCATGGTGGACACCTTCAACCCCTGGGTGTCCTGGACGCCATGCTGATCGGAG 687
 Qy 440 GCTCAACCTGGTGTGCTCTCCCTGCTACTGGGTCTCACAGCTGCTGGGGGGATGCTCG 499
 Db 688 GCTCAACCTGGTGTGCTCTCCCTGCTACTGGGTCTCACAGCTGCTGGGGGGATGCTCG 747
 Qy 500 GGGCTGCTTGGCCAGGCGGTGAGTCTGAGAGAGGTTCTGGAATGATCTGGGGGG 559
 Db 748 GGGCTGCTTGGCCAGGCGGTGAGTCTGAGAGAGGTTCTGGAATGATCTGGGGGG 807
 Qy 560 CTTTGTGACGTCCAGAGCAGGCGAGTGGCAGGCGGTGGTGGCAGAGATCATCC 619
 Db 808 CTTTGTGACGTCCAGAGCAGGCGAGTGGCAGGCGGTGGTGGCAGAGATCATCC 867
 Qy 620 TGACGAGCTGCTGGCCCTGGCTGTATGATGGTGGCCATCAATGAGAAGCAAGAGGCC 679
 Db 868 TGACGAGCTGCTGGCCCTGGCTGTATGATGGTGGCCATCAATGAGAAGCAAGAGGCC 927
 Qy 680 CTCTGGCCCTGTTCTCATCGGCTTTGGCGTCAACGCTGATATCTGGCTGGGGCCCTG 739
 Db 928 CTCTGGCCCTGTTCTCATCGGCTTTGGCGTCAACGCTGATATCTGGCTGGGGCCCTG 987
 Qy 740 TGTCTGAGGCTGCATGAATCCCGCCGCTGTTTTGGACCTGGCTGGTGGCCCAACCACT 799
 Db 988 TGTCTGAGGCTGCATGAATCCCGCCGCTGTTTTGGACCTGGCTGGTGGCCCAACCACT 1047
 Qy 800 GGAACCTCCACTGGATCTACTGGCTGGGCCCACTCTGGCTGGCCCTGTTGTGAGATGC 859
 Db 1048 GGAACCTCCACTGGATCTACTGGCTGGGCCCACTCTGGCTGGCCCTGTTGTGAGATGC 1107
 Qy 860 TCATTAGTGTCTTCAATTGGAGATGGGAAGACCCGCTCATCTGAAGGCTCGGTGAAGCA 919
 Db 1108 TCATTAGTGTCTTCAATTGGAGATGGGAAGACCCGCTCATCTGAAGGCTCGGTGAAGCA 1167
 Qy 920 GAGCTGTGGGATTCCTGCTCCAGAGTTCCTCAGTGTCTCAGTGTCTCCAGCTGAGGAC 979
 Db 1168 GAGCTGTGGGATTCCTGCTCCAGAGTTCCTCAGTGTCTCAGTGTCTCCAGCTGAGGAC 1227
 Qy 980 AGGGAGTTCCTGCTATTCCTGCCAGGCGAGAGCCCGAGAGGAGCGCCCTGCTTCCA 1039
 Db 1228 AGGGAGTTCCTGCTATTCCTGCCAGGCGAGAGCCCGAGAGGAGCGCCCTGCTTCCA 1287
 Qy 1040 CTGCTGGGCTGCTTCTCAGATAGACTGCTGAGAGGCTCTAGTGTCTTGGAAAT 1099
 Db 1288 CTGCTGGGCTGCTTCTCAGATAGACTGCTGAGAGGCTCTAGTGTCTTGGAAAT 1347
 Qy 1100 TCCTTTGTGCTCATCAGAGACCCAGCTGGGAAACACGCTGCCCGCACTGCCCAGAGAG 1159
 Db 1348 TCCTTTGTGCTCATCAGAGACCCAGCTGGGAAACACGCTGCCCGCACTGCCCAGAGAG 1407
 Qy 1160 CAGTGCAAAACCAACACACAGAGCGTGTCTTGAGAGGAATGTCCTGAGTGGCAAG 1219
 Db 1408 CAGTGCAAAACCAACACACAGAGCGTGTCTTGAGAGGAATGTCCTGAGTGGCAAG 1467
 Qy 1220 GAGGCTGTTCTGCAATCAGCTCATCTCCCGCAACCCATTCCTGCTGATGCTTGT 1279
 Db 1468 GAGGCTGTTCTGCAATCAGCTCATCTCCCGCAACCCATTCCTGCTGATGCTTGT 1527
 Qy 1280 TGGGGGCTGGCCACTTCTGCTTCTCAAGCTGCAATTCCTCACTTGGCAATTAATAG 1338
 Db 1528 TGGGGGCTGGCCACTTCTGCTTCTCAAGCTGCAATTCCTCACTTGGCAATTAATAG 1587
 Qy 1339 TCCAGTGTTCCTTCC 1354
 Db 1588 TCCAGTGTTCCTTCC 1603

RESULT 13
 US-10-295-027-459
 ; Sequence 459, Application US/10295027
 ; Publication No. US2003023250A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Afar, Daniel

APPLICANT: Aziz, Natasha
 APPLICANT: Ginsberg, Wendy M.
 APPLICANT: Gish, Kurt C.
 APPLICANT: Glynn, Richard
 APPLICANT: Hevezi, Peter A.
 APPLICANT: Mack, David H.
 APPLICANT: Murray, Richard
 APPLICANT: Watson, Susan R.
 APPLICANT: Eos Biotechnology, Inc.
 TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
 TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
 FILE REFERENCE: 018501-012500US
 CURRENT APPLICATION NUMBER: US/10/295,027
 CURRENT FILING DATE: 2002-11-13
 PRIOR APPLICATION NUMBER: US 09/663,733
 PRIOR FILING DATE: 2000-09-15
 PRIOR APPLICATION NUMBER: US 60/350,666
 PRIOR FILING DATE: 2001-11-13
 PRIOR APPLICATION NUMBER: US 60/335,394
 PRIOR FILING DATE: 2001-11-15
 PRIOR APPLICATION NUMBER: US 60/332,464
 PRIOR FILING DATE: 2001-11-21
 PRIOR APPLICATION NUMBER: US 60/334,393
 PRIOR FILING DATE: 2001-11-29
 PRIOR APPLICATION NUMBER: US 60/340,376
 PRIOR FILING DATE: 2001-12-14
 PRIOR APPLICATION NUMBER: US 60/347,211
 PRIOR FILING DATE: 2002-01-08
 PRIOR APPLICATION NUMBER: US 60/347,349
 PRIOR FILING DATE: 2002-01-10
 PRIOR APPLICATION NUMBER: US 60/355,250
 PRIOR FILING DATE: 2002-02-08
 PRIOR APPLICATION NUMBER: US 60/356,714
 PRIOR FILING DATE: 2002-02-13
 Remaining Prior Application data removed - See File Wrapper or PALM.
 NUMBER OF SEQ ID NOS: 1386
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO: 459
 LENGTH: 1309
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-10-295-027-459

Query Match 88.7%; Score 1200.4; DB 15; Length 1309;
 Best Local Similarity 99.8%; Pred. No. 0;
 Matches 1212; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
 Qy 140 AGATAGCCATGTGTGAGCCTGAATTTGGCAATGACAGGCCAGGAGCGGAGCGTGGGTG 199
 Db 95 AGATAGCCATGTGTGAGCCTGAATTTGGCAATGACAGGCCAGGAGCGGAGCGTGGGTG 154
 Qy 200 GCAGTGGCGAGTGTCTGGTACGAAACCGTTTGTGACGCCATGTCTGTGCAATCTCTGG 259
 Db 155 GCAGTGGCGAGTGTCTGGTACGAAACCGTTTGTGACGCCATGTCTGTGCAATCTCTGG 214
 Qy 260 GCTCTGCTCTCTCTCATCTTCTATCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 319
 Db 215 GCTCTGCTCTCTCTCATCTTCTATCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 274
 Qy 320 GCTCTGCTGAGCCGCTTGGCCACCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 379
 Db 275 GCTCTGCTGAGCCGCTTGGCCACCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 334
 Qy 380 GGAATATCAGTGGTGGACACTTCAACCTGGGTGCTGCTGGCAGCCATGCTGATCGGAG 439
 Db 335 GGAATATCAGTGGTGGACACTTCAACCTGGGTGCTGCTGGCAGCCATGCTGATCGGAG 394
 Qy 440 GCTCTCAACCTGGTGTGATGCTCTCTCCGCTACTGGGTCTCACAGCTGCTGGGGGGATGCTCG 499
 Db 395 GCTCTCAACCTGGTGTGATGCTCTCTCCGCTACTGGGTCTCACAGCTGCTGGGGGGATGCTCG 454
 Qy 500 GGGCTGCCTTGGCCCAAGCGGTGAGTCTTGAGAGAGGTTCTGGAATGCTGCTGGGGCGG 559

455	GGGCTGCTTGGCCAAAGTGGTGAAGTCTCGAGGAGAGGTTCTCGGAATGCAATCTGGGGCGG	514
560	CTTTTGTGACAGTCCAGGAGCAGGGCAGGTGGCAGGGGGCGTTGGTGGCAGAGATCATCC	619
515	CTTTTGTGACAGTCCAGGAGCAGGGCAGGTGGCAGGGGGCGTTGGTGGCAGAGATCATCC	574
620	TGACACAGCTGCTGGCCCTGCTGTATGTCATGGGTGCCATCAATGAGAGAGACAAAGGGCC	679
575	TGACAGACGCTGCTGGCCCTGCTGTATGTCATGGGTGCCATCAATGAGAGAGACAAAGGGCC	634
680	CTCTGGCCCCGTTCTTCATTCGGCTTTCGGTCAACCGTGGATATCTCTGGCTGGGGCCCTG	739
635	CTCTGGCCCCGTTCTTCATTCGGCTTTCGGTCAACCGTGGATATCTCTGGCTGGGGCCCTG	694
740	TGCTCTGGAGGCTGCATGAATCCGCCCGCTTTGGACCTGGCGGTGGGCCCAACCACT	799
695	TGCTCTGGAGGCTGCATGAATCCGCCCGCTTTGGACCTGGCGGTGGGCCCAACCACT	754
800	GGAACTTCCACTGGATCTACTGGCTGGGCCCACTCTCTGGCTGGCCCTGCTTGTGGACTGC	859
755	GGAACTTCCACTGGATCTACTGGCTGGGCCCACTCTCTGGCTGGCCCTGCTTGTGGACTGC	814
860	TCATTTAGTGTGCTTCATTTGGAGATGGGAAGACCGGCTCTCTCTGAAGGCTTCGGTGAAGCA	919
815	TCATTTAGTGTGCTTCATTTGGAGATGGGAAGACCGGCTCTCTCTGAAGGCTTCGGTGAAGCA	873
920	GAGCTCGTGGGATTCCTGCTGCTCCAGGTGTCTCAGTCACTGCTGCTCCAGACTGAGGAC	979
874	GAGCTCGTGGGATTCCTGCTGCTCCAGGTGTCTCAGTCACTGCTGCTCCAGACTGAGGAC	933
980	AGGGAGGATTCCTGCAATTTCTCCAGGCGCAGAGGCCACAGAGGAGCGACCCCTGCTTCCA	1039
934	AGGGAGGATTCCTGCAATTTCTCCAGGCGCAGAGGCCACAGAGGAGCGACCCCTGCTTCCA	993
1040	CTGCTTGGGCTGTCTCTCAGATAGACTGACTGTCTGAGGAGCTCTAGTGTCTTGGAAAT	1099
994	CTGCTTGGGCTGTCTCTCAGATAGACTGACTGTCTGAGGAGCTCTAGTGTCTTGGAAAT	1053
1100	TCCTTTGTGCTCATCAGAGACCCAGAGCTGGGGAAACAGCTGCCGCCACTGCCACAGAGAG	1159
1054	TCCTTTGTGCTCATCAGAGACCCAGAGCTGGGGAAACAGCTGCCGCCACTGCCACAGAGAG	1113
1160	CAGTGCACCAACCAACACAGAGGCTGTCTTTGAGAGGAAATGTCTCCCGAGTTGACAAAG	1219
1114	CAGTGCACCAACCAACACAGAGGCTGTCTTTGAGAGGAAATGTCTCCCGAGTTGACAAAG	1173
1220	GAGGCTGTCTTCGACATCAGCTCATTTCCCGCACCCCAATTTCTTGCCTTGAATGCTTTGT	1279
1174	GAGGCTGTCTTCGACATCAGCTCATTTCCCGCACCCCAATTTCTTGCCTTGAATGCTTTGT	1233
1280	TGGGGGCTGGCCACTCTCTTGTCTTCAAGCTTGACAAATTCCTCATTTCGCAATAAATAGT	1339
1234	TGGGGGCTGGCCACTCTCTTGTCTTCAAGCTTGACAAATTCCTCATTTCGCAATAAATAGT	1293
1340	CCAGTGTTCCTTC	1353
1294	CCAGTGTTCCTTC	1307

RESULT 14
US-10-396-943-6/c
Sequence 6, Application US/10396943
Publication No. US20030158085A1
GENERAL INFORMATION:
APPLICANT: Walker, Michael G.
APPLICANT: Volkmut, Wayne
APPLICANT: Klinger, Todd M.
TITLE OF INVENTION: AQUAPORIN-8 VARIANTS
FILE REFERENCE: PC-0012 CIP
CURRENT APPLICATION NUMBER: US/10/2003-03-24
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: US/09/61-07-06
PRIOR FILING DATE: 2000-07-06

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, , PRIOR APPLICATION NUMBER: 09/236,994
, , PRIOR FILING DATE: 1999-01-07
, , NUMBER OF SEQ ID NOS: 12
, , SOFTWARE: PERL Program
, , SEQ ID NO 5
, , LENGTH: 562
, , TYPE: DNA
, , ORGANISM: Homo sapiens
, , FEATURE:
, , NAME/KEY: misc feature
, , OTHER INFORMATION: Incyte ID No. US20030158095A1 227165F1
, , FEATURE:
, , NAME/KEY: unsure
, , LOCATION: 525, 550
, , OTHER INFORMATION: a, t, c, g, or other
, , PUBLICATION INFORMATION:
, , US-10-396-943-5

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Query Match	35.0%	Score	473.8	DB	14	Length	562
Best Local Similarity	95.4%	Pred. No.	2.6e-130				
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Db	546	CTACTGGCTGGGGCCCACTCNTGGCTGGCGCTTTGTGTGAACCTGCCTCAITTAGGTGC	487				
Qy	871	TTCAATTGGA--GATGGGAAGACCCGGCTCATCTGTAAGCTTGGTGAAGCAGAGCTCGTG	928				
Db	486	TTCAATTGGAAGATGGGAAGACCCGGCTCATCTGAAGCTCGGTGAACAAGAGCTCGTG	427				
Qy	929	GGATTCTCTGCTCCAGGTGTCTCAGCTCACCTGTCCCAGACTGAGGACAGGGGAGTT	988				
Db	426	GGATTCTCTGCTCCAGGTGTCTCAGCTCACCTGTCCCAGACTGAGGACAGGGGAGTT	367				
Qy	989	CTGTCAATTTCTGCCAGGCGAGGCCACAGAGAGCGACCCCTGCTTCCACTGCTTGG	1048				
Db	366	CTGTCAATTTCTGCCAGGCGAGGCCACAGAGAGCGACCCCTGCTTCCACTGCTTGG	307				
Qy	1049	CTGTCTTTCTCAGATAGACTGCTGTGAGGAGCTCTAGGTTCTTGGAAATTCCTTTGTG	1108				
Db	306	CTGTCTTTCTCAGATAGACTGCTGTGAGGAGCTCTAGGTTCTTGGAAATTCCTTTGTG	247				
Qy	1109	CTCATCAGAGACCCACAGCTGGGGAACAAGCTGCCGCGCACTGCCACAGACAGTCACAA	1168				
Db	246	CTCATCAGAGACCCACAGCTGGGGAACAAGCTGCCGCGCACTGCCACAGAGAGTCACAA	187				
Qy	1169	CACCAACAACAGAGCGTGTCTTGTAGAGGAATGTCCCGAGTTGGAACAAGAGGCGTGT	1228				
Db	186	CACCAACAACAGAGCGTGTCTTGTAGAGGAATGTCCCGAGTTGGAACAAGAGGCGTGT	127				
Qy	1229	TCTGCACATCAGCTCAATTTCCCGCACCCCAATTTCTTGCTTGATGTCTTTGTGGGGCGCT	1288				
Db	126	TCTGCACATCAGCTCAATTTCCCGCACCCCAATTTCTTGCTTGATGTCTTTGTGGGGCGCT	67				
Qy	1289	GGGCATTTCTGCTTCTCAGCTGACAAATTCCTCACTTTGCAATAAATAGTCAGTGTTT	1348				
Db	66	GGGCATTTCTGCTTCTCAGCTGACAAATTCCTCACTTTGCAATAAATAGTCAGTGTTT	7				
Qy	1349	CTTTCC	1354				
Db	6	CTTTCC	1				

RESULT 15
US-09-803-7329
; Sequence 2219, Application US/09803719
; Publication No. US20030044783A1
; GENERAL INFORMATION:
; APPLICANT: Williams, Lewis T.
; APPLICANT: Escobedo, Jaime
; APPLICANT: Innis, Michael A.
; APPLICANT: Garcia, Pablo Dominguez
; APPLICANT: Sudduth-Klinger, Julie

APPLICANT: Reinhard, Christoph
APPLICANT: Giese, Klaus
APPLICANT: Randazzo, Filippo
APPLICANT: Kennedy, Giulia C.
APPLICANT: Pot, David
APPLICANT: Kassam, Altaf
APPLICANT: Lamson, George
APPLICANT: Dmanac, Radoje
APPLICANT: Cirkvenjakov, Radomir
APPLICANT: Dickson, Mark
APPLICANT: Dmanac, Snezana
APPLICANT: Labat, Ivan
APPLICANT: Leshkowitz, Dena
APPLICANT: Kita, David
APPLICANT: Garcia, Veronica
APPLICANT: Jones, Lee William
APPLICANT: Stache-Crain, Birgit
TITLE OF INVENTION: Human Genes and Gene Products
FILE REFERENCE: 1624.002
CURRENT APPLICATION NUMBER: US/09/803,719
PRIOR FILING DATE: 2001-03-09
PRIOR APPLICATION NUMBER: 60/188,609
PRIOR FILING DATE: 2000-03-09
NUMBER OF SEQ ID NOS: 2396
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2329
LENGTH: 321
TYPE: DNA
ORGANISM: Homo sapiens
US-09-803-719-2329

Query Match 23.3%; Score 315.2; DB 10; Length 321;
Best Local Similarity 99.1%; Pred. No. 2.7e-83;
Matches 317; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 668 AGACAAAGGCGCCTCTGGCCCGTTCTCCATGGGTTTCCCGTCACCGTGGATATCCTGG 727
DB 1 AGACAAAGGCGCCTCTGGCCCGTTCTCCATGGGTTTCCCGTCACCGTGGATATCCTGG 60

QY 728 CTGGGGGCGCTGTGCTGGAGCTGCATGAATCCGCGCGCTTTGGACCTGGGTGG 787
DB 61 CTGGGGGCGCTGTGCTGGAGCTGCATGAATCCGCGCGCTTTGGACCTGGGTGG 120

QY 788 TGGCCCAACCACTGGAACTTCCACTGGATCTACTGGCTGGGCGCCACTCCTGGCTGGCGCTGC 847
DB 121 TGGCCCAACCACTGGAACTTCCACTGGATCTACTGGCTGGGCGCCACTCCTGGCTGGCGCTGC 180

QY 848 TTGTTGGACTGCTCATTTAGGTGCTTCATTGGAGATGGGAAGACCGGCTCATCCTGAAG 907
DB 181 TTGTTGGACTGCTCATTTAGGTGCTTCATTGGAGATGGGAAGACCGGCTCATCCTGAAGC 240

QY 908 CTCGGTGAAGCAGAGCTCGTGGGATTCTGCTGCTCCAGGTGTCCTCAGCTCACCTGTC 967
DB 241 CTCGGTGAAGCAGAGCTCGTGGGATTCTGCTGCTCCAGGTGTCCTCAGCTCACCTGTC 300

QY 968 CAGACTGAGGACAGGGGAGT 987
DB 301 CAGACTCAAGACAGGGGAGT 320

Search completed: February 18, 2004, 14:05:05
Job time : 455.047 secs

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: February 18, 2004, 19:09:54 ; Search time 126.75 Seconds
(without alignments)
2561.312 Million cell updates/sec

Title: US-09-864-711-14

Perfect score: 585

Sequence: 1 MAEAGNASTVSLGGANMA.....TVRFVNRADYKYKQLQNY 585

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Ygapop 60.0, Ygapext 60.0
Fgapop 6.0, Fgapext 7.0
Delop 6.0, Delext 7.0

Searched: 682709 seqs, 277475446 residues

Word size: 1

Total number of hits satisfying chosen parameters: 1360453

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

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-LIST=45 -DOCALLIGN=200 -THR_SCORE=quality -THR_MIN=1 -ALIGN=15 -MODE=LOCAL
-OUTFMT=pro -NORM=ext -HEAPSIZES=500 -MINLEN=0 -MAXLEN=2000000000
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-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=60 -XGAPEXT=60 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=60 -YGAPEXT=60 -DELOP=6 -DELEXT=7

Database :

Issued Patents.NA:
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6: /cgn2_6/ptodata/2/ina/backfiles1.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	585	100.0	2917	4	US-09-907-794A-189
2	585	100.0	2917	4	US-09-905-125A-189
3	585	100.0	2917	4	US-09-902-775A-189
4	201	34.4	892	4	US-09-833-381-1918
5	104	17.8	518	4	US-09-833-381-1917
6	40	6.8	167	1	US-08-700-575-39
7	15	2.6	47	4	US-09-907-794A-193
8	15	2.6	47	4	US-09-905-125A-193
9	15	2.6	47	4	US-09-902-775A-193
10	8	1.4	252	4	US-09-328-352-3619
11	8	1.4	501	4	US-09-894-998A-13
12	8	1.4	603	4	US-09-328-352-3514

c 13	8	1.4	681	4	US-09-540-236-1039	Sequence 1039, Ap
c 14	8	1.4	761	4	US-09-894-998A-53	Sequence 53, Appl
c 15	8	1.4	1089	4	US-09-453-702B-241	Sequence 241, App
c 16	8	1.4	1260	4	US-07-866-979-3	Sequence 3, Appli
c 17	8	1.4	1260	2	US-08-466-906B-3	Sequence 3, Appli
c 18	8	1.4	1260	3	US-08-706-281A-3	Sequence 3, Appli
c 19	8	1.4	1260	3	US-08-201-746-3	Sequence 3, Appli
c 20	8	1.4	1260	3	US-09-097-231-3	Sequence 3, Appli
c 21	8	1.4	1260	3	US-09-353-099-3	Sequence 3, Appli
c 22	8	1.4	1293	4	US-09-489-039A-3416	Sequence 3416, Ap
c 23	8	1.4	2859	2	US-08-506-340A-2	Sequence 2, Appli
c 24	8	1.4	3423	4	US-08-471-112A-2	Sequence 11, Appl
c 25	8	1.4	5430	3	US-09-012-515A-11	Sequence 11, Appl
c 26	8	1.4	5430	3	US-08-360-144A-11	Sequence 11, Appl
c 27	8	1.4	5430	4	US-09-012-504A-11	Sequence 11, Appl
c 28	8	1.4	5430	4	US-09-012-399A-11	Sequence 11, Appl
c 29	8	1.4	5802	4	US-09-341-587-4	Sequence 4, Appli
c 30	8	1.4	5943	4	US-09-376-594-272	Sequence 272, App
c 31	8	1.4	6534	3	US-09-194-613-4	Sequence 4, Appli
c 32	8	1.4	7653	4	US-08-471-112A-1	Sequence 1, Appli
c 33	8	1.4	7824	5	PCT-US95-06722-11	Sequence 11, Appl
c 34	8	1.4	8598	4	US-08-305-790B-1	Sequence 1, Appli
c 35	8	1.4	11958	3	US-09-134-246-8	Sequence 8, Appli
c 36	8	1.4	28720	4	US-09-341-587-7	Sequence 7, Appli
c 37	8	1.4	289223	4	US-09-596-002-41	Sequence 41, Appli
c 38	8	1.4	4403765	3	US-09-103-840A-2	Sequence 2, Appli
c 39	8	1.4	4411529	3	US-09-103-840A-1	Sequence 1, Appli
c 40	7	1.2	36	3	US-09-386-607-5	Sequence 5, Appli
c 41	7	1.2	47	4	US-09-422-978-2783	Sequence 2783, Ap
c 42	7	1.2	78	1	US-08-281-229A-3	Sequence 3, Appli
c 43	7	1.2	78	1	US-08-281-229A-4	Sequence 4, Appli
c 44	7	1.2	78	1	US-08-281-229A-6	Sequence 6, Appli
c 45	7	1.2	78	1	US-08-281-229A-7	Sequence 7, Appli

ALIGNMENTS

RESULT 1

US-09-907-794A-189
Sequence 189, Application US/09907794A
Patent No. 6635468

GENERAL INFORMATION:
APPLICANT: Genentech, Inc.

APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Acids Encoding the Same

FILE REFERENCE: 10466-14

CURRENT APPLICATION NUMBER: US/09/907,794A

CURRENT FILING DATE: 2001-07-17

PRIOR APPLICATION NUMBER: PCT/US00/04414

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; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-907-794A-189

Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 585.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-907-794A-189 (1-2917)

Qy 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyValAlaAsnMetAla 20
Db 1030 ATGGCGAGGCTCAAGGCAATGCAAGCTGCACAGTCAGTCTAGGGGGTGCCTATATGGCA 1089

Qy 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
Db 1090 GAGACCCACAAAGCCATGATCTCCGCACTCAATCCCAAGTGAAGTCACTCCGCAATA 1149

Qy 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAspProAsp 60
Db 1150 GAAGACCAAGAAACAAAGCATCAGATTAATCTTCTATGTCCAGCTTGATCCAGAT 1209

Qy 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
Db 1210 GGAAGCTGTGAAAGTGAAACATTAAGTCTTTGACGGAACCTCCAGCAATGGGCTCTG 1269

Qy 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
Db 1270 CTAGGGCAAGTCTGAGTAAACAGCACTATGTTCTCTGATTGGAATCATCATCCAGTACA 1329

Qy 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
Db 1330 TTGACGTTTCAATAGTACTGACTCAGCAAGAAATTCAAAGAACTGTCTTTGTCTTCTAC 1389
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Qy 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
Db 1390 TACTTCTTCTCTCTAACAATCTCTATTCMAAATGTGGGGTGTACTGTAATCTTGGAA 1449

Qy 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTrp 160
Db 1450 GGATCCTTCCAGCCCAATTAACCAAGCCGATCTGAGCTGGCTATTGTGTGTGG 1509

Qy 161 HistIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
Db 1510 CACATACAGTGGAGAAAGATTACAGATAAAATAAATCTTCAAGAGATTTTCTTAGAA 1569

Qy 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
Db 1570 ATAGACAAACAGTCAAAATTTGATTTCTTGCCATCTATGATGGCCCTCCCAACTCT 1629

Qy 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
Db 1630 GGCTGATTGGCAAGTCTGTGGCCGTGTGACTCCCACTTGAATCGTCATCAAACTCT 1689

Qy 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
Db 1690 CTGACTGTCTGTGTGTCTACAGATTATGCCAATTTCTACGGGGATTTTCTGCTTCTAC 1749

Qy 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
Db 1750 ACCTCAATTTATGAGAAACATCAACACTACATCTTTAACTTGTCTTCTTCACAGATG 1809

Qy 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
Db 1810 AGAGTTATTATAGCAAACTTACCTACCTAGAGGCTTTTAACTCTAATGGGAATTAATGCA 1869

Qy 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
Db 1870 CTAAGAGCCCAACTTGCAGACCAAAATTTATCAATGTGTGGAATTTTCTGTCCCTCTT 1929

Qy 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleIleTyrThrAsnIleIle 320
Db 1930 AATGGATGTGTACAAATCAGAAAGGTAGAGATCAGTCAATTAATTTACCACTAATAATC 1989

Qy 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
Db 1990 ACCTTTTCTCATCTCTCACTTCTGAAGTGTATCACCCTGCAGAAACAACTCCAGATTAT 2049

Qy 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
Db 2050 GTGAAGTGTGAAATGGGACATAATTTCTACAGTGGAGATAATATACATACAGAGATGAT 2109

Qy 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db 2110 GTAATACAAAGTCAAAATGCACCTGGGCAATATATACACCAGCATGGCTCTTTTGAATCC 2169

Qy 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
Db 2170 AATTCATTTGAAAGACTATATCTGAATCACCATAATATGTGGATTGTGAACCAACTCTT 2229

Qy 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
Db 2230 TTTGTTCAAGTTAGTCTGCACACTCGATCCAAATTTGGTGGTGTCTTCTGATCTCTGT 2289

Qy 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
Db 2290 AGAGCTCTCCCACTCTGACTTGCATCTCAACCTCAGCACTAATCAAGAGTGGATGT 2349

Qy 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
Db 2350 AGTCGAGATGAAACTTGTAGGTGTATCCCTTATTTGGACACTATGGGAGATTCAGTTT 2409

Qy 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
Db 2410 AATGCCCTTTAAATTTCTTGAGAGATGATGAGCTCTGTGTATCTGCAGTGTAAGATTTTGA 2469
```

QY	481	CysAspSerSerAspHisGlnSerSerArgCysAsnGlnGlyCysValSerArgSerLysArg	500
Db	2470	TGTGATAGCAGTGAACCACTGCTCGTGCATCAATCAGGTTGTGTCTCCAGAAGCAACGA	2529
QY	501	AspIleSerSerTyrLysTyrLysThrAspSerIleIleGlyProIleArgLeuLysArg	520
Db	2530	GACATTTCTTCATATAAATGMAAACAGATTCATCATAGACCCATTCGTCTGAAAGG	2589
QY	521	AspArgSerIleSerGlyAsnSerGlyPheGlnHisGlnThrHisAlaGluGluThrPro	540
Db	2590	GATCGAAGTGCAATGGCAATTCAGGATTCAGCATGAACACACATGCGGAAGAACTCCA	2649
QY	541	AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal	560
Db	2650	AACCAAGCCTTTCAACAGTGTGCATCTGTTTCTCTTCATGGTTCTAGCTCTGAATGTGGTG	2709
QY	561	ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln	580
Db	2710	ACTGTACGCAATTCACAGTGAGCATTTTGTAAATCAACGGGAGACTACAATATCCAG	2769
QY	581	LysLeuGlnAsnTyr	585
Db	2770	AAGCTGCAGAACTAT	2784

RESULT 2

US-09-905-125A-189
; Sequence 189, Application US/09905125A
; Patent No. 6664376
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary-E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905,125A
; CURRENT FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15

QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
DB 1570 ATAGACAAACAGTGGCAAAATTTCATTTCTTGCCATCTATGATGGCCCTCCACCACTCT 1629
QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerAsnSer 220
DB 1630 GGCCGTGATTGGCAAGTGTGGCCGTGTGACCTCCACCTTCGAATCGTCATCAAACTCT 1689
QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
DB 1690 CTGACTGTCTGTGTCTACAGATTATGCCAATCTTACCGGGGATTTTCTGCTCTCTAC 1749
QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
DB 1750 ACCTCAATTTATGCGAAACAACTACCACTACATCTTTAACTTGCTCTTCGACAGGATG 1809
QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
DB 1810 AGAGTTATTATAGCAATCTCTACCTAGAGCTTTTAACTCTAATGGGAATTAATTGCAA 1869
QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
DB 1870 CTAAAGACCCAACTTCGACAGCAAAATATCAAAATGTTGTGGAATTTCTGTCCCTCTT 1929
QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
DB 1930 AATGATGTGGTACAACTCAGAAAGTAGAAGATCAGTCAATTTACTTACCAAAATATATC 1989
QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
DB 1990 ACCTTTCTGCTCTCAACTCTCAAGTGTATCCCGTCAGAAACAACTCCAGATTATT 2049
QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
DB 2050 GTGAAGTGTGAATGGGACATAAATTTCTACAGTGGAGATAATATACATAACAGAGATGAT 2109
QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
DB 2110 GTAATACAAAGTCAAAATGCATCGGCAAAATATACACAGCATGGCTCTTTTGAATCC 2169
QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
DB 2170 AATTCATTGAAAGACTATATCTGAAATCACCATTATTTGGATTTTGAACCAAACTCTT 2229
QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValPheLeuAspThrCys 420
DB 2230 TTGTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGGTGTCTTGATACCTGT 2289
QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
DB 2290 AGAGCTCTCCACCTCTGACTTGCATCTCCAACTACGACCTAATCAAGATGGATGT 2349
QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
DB 2350 ACTCAGATGAACTTTGTAAGTGTATCCCTTATTTGGACACTATGGGAGATTCAGTTT 2409
QY 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
DB 2410 AATGCTTTTAATTTCTGAGAAGTATGAGCTCTGTGTATCTGCAGTGTAAAGTTTGTATA 2469
QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
DB 2470 TGTGATAGCAGTGACACACAGTCTCGCTGCAATCAAGGTGTGTCTCCAGAAAGCAACGA 2529
QY 501 AspIleSerSerTyrLysTrpLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
DB 2530 GACATTTCTTCATATAAATGGAACAGATTCATATAGGACCAATCTCGTCTGAAAGG 2589
QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
DB 2590 GATCGAAGTGAAGTGGCAATTCAGGATTTACAGATTTGAAACACATGCGGAAAGAACTCCA 2649
QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560

DB 2650 AACCAACCTTTCAACAGTGTGATCTGTTTTCCTTCATGTTCTAGCTCTGAATGTGTG 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
DB 2710 ACTGTAGCACCAATCACAGTGTAGGCAATTTGTAAATCAACGGGCAGACTACAAATACCAG 2769
QY 581 LysLeuGlnAsnTyr 585
DB 2770 AAGCTGCAGAACTAT 2784
RESULT 3
US-09-902-775A-189
; Sequence 189, Application US/09902775A
; Patent No. 6686451
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/902,775A
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095

; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 189
 ; LENGTH: 2917
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-864-711-14 (1-585) x US-09-902-775A-189 (1-2917)

Alignment Scores:
 Pred. No.: 0 Length: 2917
 Score: 585.00 Matches: 585
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-902-775A-189 (1-2917)

QY	1	MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla	20
DB	1030	ATGGCGGAGGCTGAAGGCAATCAAGCTGCACAGTCAGTCACTAGGGGGTGCATATGGA	1089
QY	21	GluThrHisLeuAlaMetileLeuGlnLeuAsnProSerGluAsnCysThrTriThrile	40
DB	1090	GAGACCCCAAGGCCATGATCTGCACCTCAATCCAGTGAGAACTGCACCTGGACAATA	1149
QY	41	GluArgProGluAsnLysSerileArgilellePheSerTyrValGlnLeuAsnProAsp	60
DB	1150	GAAGACCAAGAAACAAAGACATCAGATTAATCTTCTATGTCACGCTGATCCAGAT	1209
QY	61	GlySerCysGluSerGluAsnleileysValPheAspGlyThrSerSerAsnGlyProLeu	80
DB	1210	GGAGCTGTGAAGTGAAGCAATTAAGTCTTTGACGGAACCTCCAGCAATGGGCTCTG	1269
QY	81	LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr	100
DB	1270	CTAGGGCAAGTCTGCAGTAAACACGATATGTTCTCTGATTTGAATCATCATCCAGTACA	1329
QY	101	LeuThrPheGlnIleValThrAspSerAlaArgileGlnArgThrValPheValPheTyr	120
DB	1330	TTGACGTTTCAATAGTTACTGACTCAGCAAGAAATCAAGAACTGCTTTTGTCTCTAC	1389
QY	121	TyrPhePheSerProAsnIleSerileProAsnCysGlyGlyTyrLeuAspThrLeuGlu	140
DB	1390	TACTTCTCTCTCAACATCTTATTCCTCAAACTGTGGCGGTACCTGGATACCTTGAA	1449
QY	141	GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr	160
DB	1450	GGATCCTTCCACGAGCCCAATATACCAAGCGCATCTGAGCTGGCTTATTTGTGTGG	1509
QY	161	HisIleGlnValGluLysAspTyrLysileLysLeuAsnPheLysGluIlePheLeuGlu	180
DB	1510	CACATACAGTGAAGAGATTTACAAGATAAACTAACTTCAAGAGATTTTCTCTAGAA	1569
QY	181	IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer	200
DB	1570	ATAGACAAACAGTGCATATTTGATTTCTTGCCATCTATGATGGCCCTCCACCACTCT	1629
QY	201	GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerAsnSer	220
DB	1630	GGCCGTGATGGCAAGTCTGTGGCGGTGACTGCCACCTTCGAATCGTCACTCAACTCT	1689
QY	221	LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr	240
DB	1690	CTGACTGTGTGTCTACAGATTATGCCAATTTCTTACCGGGGATTTCTGTCTTCTAC	1749
QY	241	ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet	260

Db	1750	ACCTCAATTTATGCAAAAACATCAACATACATCTTTAACTTGTCTTCTGACAGATG	1809
QY	261	ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAlaAsnLeuGln	280
Db	1810	AGAGTTATTATAGCAAAATCTTACCTAGAGGCTTTAACTCTAATGGGAATTAATTGCA	1869
QY	281	LeuIleAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu	300
Db	1870	CTAAAAGACCAACTTGCAGACCAAAATATCAAAATTTGTGGATTTTCTGTCCCTCTT	1929
QY	301	AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle	320
Db	1930	ATGGATGTGTACATCAAGAGGTAGAGATCACTCAATTTTACCAATATAATATC	1989
QY	321	ThrPheSerAlaSerThrSerGluValIleThrArgGlnGlyGlnLeuGlnIleIle	340
Db	1990	ACCTTTTCTGATCTCTCAACTCTGAAGTGATCAACCGTCAGAAACAACTCCAGATTAT	2049
QY	341	ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp	360
Db	2050	GTGAGTGTGAATGGGACATTAATCTCAGTGGAGATAATATACATAACAGAGATGAT	2109
QY	361	ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer	380
Db	2110	GTAATACAAAGTCAAAATGCACCTGGCAAAATATACACAGCATGGCTCTTTTGAATCC	2169
QY	381	AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu	400
Db	2170	AATTCATTTGAAAGACTATCTTGAATCAACATATTTATGTGATTTGAACCAAACTCTT	2229
QY	401	PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys	420
Db	2230	TTTGTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGTGTCTTCTGATACCTGT	2289
QY	421	ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys	440
Db	2290	AGAGCCTTCCACCTCTGATCTTGCATCTCCACCTACGACCTAATCAAGAGTGGATGT	2349
QY	441	SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe	460
Db	2350	AGTCCAGATGAAACTTTGTAAAGGTGATATCCCTTATTTGGACACTATGGGAGATTCAGT	2409
QY	461	AsnAlaPheLysPheLeuArgSerMetSerValTyrLeuGlnCysLysValLeuIle	480
Db	2410	AATGCCCTTTAAATTTCTTGAAGATGAGTCTGTGTATCTGCAGTGTAAAGTTTGATA	2469
QY	481	CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg	500
Db	2470	TGTGATAGCAGTGCACCCAGTCTCGTCAATCAAGGTGTGTCTCCAGAACCAACGA	2529
QY	501	AspIleSerSerTyrLysTyrLysThrAspSerIleIleGlyProIleArgLeuIleArg	520
Db	2530	GACATTTCTCATATAATGAAACACATTCATATGAGCCATTCATGCTGTGCTGAAAGG	2589
QY	521	AspArgSerAlaSerGlyLysSerGlyPheGlnHisGluThrHisAlaGluGluThrPro	540
Db	2590	GATCCAGTGCAGTGGCAATTCAGATTCAGATGAAACACATGCGGAAGAACTCCA	2649
QY	541	AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal	560
Db	2650	AACCGACCTTTCACAGTGTGATCTGTCTTCTTCTGATGCTTCTGATGCTGCTGATG	2709
QY	561	ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln	580
Db	2710	ACTGTAGCGCAATCAACAGTGGAGCATTTTGTAAATCAACGGCAGACTACAAATACAG	2769
QY	581	LysLeuGlnAsnTyr	585
Db	2770	AAGCTGCAGAACTAT	2784

RESULT 4
 US-09-833-381-1918

Sequence 1918, Application US/09833381
Patent No. 6672186
GENERAL INFORMATION:
APPLICANT: Robison, Keith E.
TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs
FILE REFERENCE: 5800-119
CURRENT APPLICATION NUMBER: US/09/833,381
CURRENT FILING DATE: 2001-04-11
PRIOR APPLICATION NUMBER: 09/516,448
PRIOR FILING DATE: 2000-02-29
NUMBER OF SEQ ID NOS: 2050
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1918
TYPE: DNA
LENGTH: 892
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(892)
OTHER INFORMATION: n = A,T,C or G
US-09-833-381-1918

Alignment Scores:
Pred. No.: 1,47e-194 Length: 892
Score: 201.00 Matches: 201
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 34.36% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-833-381-1918 (1-892)

QY 1 MetaAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
DB 70 ATGGCGGAGCTGAAGGCAATCAAGCTGCACAGTCAGTCTAGGGGGTGCCAATATGGCA 129

QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTriphrile 40
DB 130 GAGACCCACAAGCCATGATCTCGCACTCATCCAGTGAAGTGCACCTGACACATA 189

QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyValGlnLeuAspProasp 60
DB 190 GAAAGACCAAGAAACAAAAGCATCAGATATATCTTTTCATGTCCAGCTTGATCCAGAT 249

QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
DB 250 GGAAGCTGTGAAGTGAAACAACTTAAGCTTTTGCGGAACCTCCAGCAATGGGCTCTG 309

QY 81 LeuGlyGlnValCysSerLysAsnAspTyValProValPheGluSerSerSerSerThr 100
DB 310 CTAGGCAAGTCTGCAGTAAACAGCATATGTTCTGTATTTGAATCATCATCCAGTACA 369

QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTy 120
DB 370 TTGACGTTTCAATAGTTACTGACTCAGCAAGAAATTCAAAGAACTGTCTTTGTCTTCTAC 429

QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyLysLeuAspThrLeuGlu 140
DB 430 TACTTTCTCTCTTCAATCTCTATTTCCAACTGTGGGGTACTCTGGATACCTTGAA 489

QY 141 GlySerPheThrSerProAsnTyProLysProHisProGluLeuAlaTyCysValTrp 160
DB 490 GGATCTCTCACCAGCCCCAATACCCAAAGCCGCATCTCTGAGCTGGCTTATTGTGTGG 549

QY 161 HisIleGlnValGluLysAspTyLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
DB 550 CACATCAAGTGGAGAAAGATACAGATTAACCTTCAAGAGATTTTCTTAGAA 609

QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyAspGlyProSerThrAsnSer 200
DB 610 ATAGACAAACAGTGCAATTTGATTTTCTTGCACTCATGATGGCCCTCCACCAACTCT 669

QY 201 Gly 201

Db 670 GGC 672
RESULT 5
US-09-833-381-1917
Sequence 1917, Application US/09833381
Patent No. 6672186
GENERAL INFORMATION:
APPLICANT: Robison, Keith E.
TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs
FILE REFERENCE: 5800-119
CURRENT APPLICATION NUMBER: US/09/833,381
CURRENT FILING DATE: 2001-04-11
PRIOR APPLICATION NUMBER: 09/516,448
PRIOR FILING DATE: 2000-02-29
NUMBER OF SEQ ID NOS: 2050
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1917
TYPE: DNA
LENGTH: 518
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(518)
OTHER INFORMATION: n = A,T,C or G
US-09-833-381-1917

Alignment Scores:
Pred. No.: 2,45e-96 Length: 518
Score: 104.00 Matches: 104
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 17.78% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-833-381-1917 (1-518)

QY 57 LeuAspProAspGlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSer 76
DB 82 CTGTATCCAGATGAAGCTGTGAAGTGAACATTAAGTCTTTGACGGACCTCCAGC 141

QY 77 AsnGlyProLeuLeuGlyGlnValCysSerLysAsnAspTyValProValPheGluSer 96
DB 142 AATGGGCTCTGTAGGCAAGTCTGCAGTAAACAGCATATGTTCTCTGTATTTGAATCA 201

QY 97 SerSerSerThrLeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrVal 116
DB 202 TCATCCAGTACATGTACGTTTCATATAGTTACTGACTCAGCAAGATTCAGAAAGAACTGTC 261

QY 117 PheValPheTyThrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyLeu 136
DB 262 TTTGTCTTCTACTACTTCTCTCTCTTCAATCTCTATTCACAACTGTGGGGTTACCTG 321

QY 137 AspThrLeuGluGlySerPheThrSerProAsnTyProLysProHisProGluLeuAla 156
DB 322 GATACCTTGAAGGATCTTCCACGCCCCAATATACCAAGCCGATCTCTGAGCTGGCT 381

QY 157 TyCysValTrp 160
DB 382 TATTGTGTGG 393

RESULT 6
US-08-700-575-39
Sequence 39, Application US/08700575
Patent No. 5817479
GENERAL INFORMATION:
APPLICANT: Au-Young, Janice
APPLICANT: Bandman, Olga
APPLICANT: Hawkins, Phillip R.
APPLICANT: Wilde, Craig G.
TITLE OF INVENTION: NOVEL HUMAN KINASE HOMOLOGS
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:

ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/700,575
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: BILLINGS, LUCY J
REGISTRATION NUMBER: 36749
REFERENCE/DOCKET NUMBER: SP-100 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 167 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
LIBRARY: Pancreas
CLONE: 223163
US-08-700-575-39

Alignment Scores:
Pred. No.: 7,368-32 Length: 167
Score: 40.00 Matches: 54
Percent Similarity: 98.18% Conservative: 0
Best Local Similarity: 98.18% Mismatches: 1
Query Match: 6.84% Indels: 1
DB: 1 Gaps: 0

US-09-864-711-14 (1-585) x US-08-700-575-39 (1-167)

QY 255 CysSerSerAspArgMetArgValIleIleSerLysSerTyLeuGluAlaPheAsnSer 274
|||
Db 3 TGCTCTTCGACGAGTACGAGTTATTATAGCAAAATCTACCTAGAGGCTTTAACTCT 62
|||
QY 275 AsnGlyAsnAsnLeuGlnLeuLysAspProThrCysArgProLysLeuSerAsnVal 294
|||
Db 63 AATGGGAATAACTTGCACCTAAAGACCCCACTTCGACACCAAAATTTCAATGTTGTG 122
|||
QY 295 GluPheSerValProLeuAsnGlyCysGlyThrIleArgLysVal 309
|||
Db 123 GA-TTTTCGTCCCTTAAATGATGTGTGTACAAATCAGAAAGTA 166
|||

RESULT 7

US-09-907-794A-193
Sequence 193, Application US/09907794A
Patent No. 6635468
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Cao, Wei-Quang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.

Alignment Scores:
Pred. No.: 5,028-07 Length: 47
Score: 15.00 Matches: 15
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 2.56% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-907-794A-193 (1-47)

QY 140 GluGlySerPheThrSerProAsnTyProLysProHisProGlu 154

APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Pacini, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907,794A
PRIOR FILING DATE: 2001-07-17
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 193
LENGTH: 47
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: Oligonucleotide probe

US-09-907-794A-193

Db 2 GAAGGATCCTTCACGAGCCCAATTACCCAAAGCCGATCCTGAG 46

RESULT 8

US-09-905-125A-193

; Sequence 193, Application US/09905125A

; Patent No. 6664376

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, A.

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Hillan, Kenneth, J.

; APPLICANT: Kijavlin, Ivar J.

; APPLICANT: Mather, Jennie P.

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William, I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE REFERENCE: 10466-14

; CURRENT APPLICATION NUMBER: US/09/905,125A

; PRIOR FILING DATE: 2001-07-12

; PRIOR APPLICATION NUMBER: PCT/US00/04414

; PRIOR FILING DATE: 2000-02-22

; PRIOR APPLICATION NUMBER: US 60/143,048

; PRIOR FILING DATE: 1999-07-07

; PRIOR APPLICATION NUMBER: US 60/145,698

; PRIOR FILING DATE: 1999-07-26

; PRIOR APPLICATION NUMBER: US 60/146,222

; PRIOR FILING DATE: 1999-07-28

; PRIOR APPLICATION NUMBER: PCT/US99/20594

; PRIOR FILING DATE: 1999-09-08

; PRIOR APPLICATION NUMBER: PCT/US99/20944

; PRIOR FILING DATE: 1999-09-13

; PRIOR APPLICATION NUMBER: PCT/US99/21090

; PRIOR FILING DATE: 1999-09-15

; PRIOR APPLICATION NUMBER: PCT/US99/21547

; PRIOR FILING DATE: 1999-09-15

; PRIOR APPLICATION NUMBER: PCT/US99/23089

; PRIOR FILING DATE: 1999-10-05

; PRIOR APPLICATION NUMBER: PCT/US99/28214

; PRIOR FILING DATE: 1999-11-29

; PRIOR APPLICATION NUMBER: PCT/US99/28313

; PRIOR FILING DATE: 1999-11-30

; PRIOR APPLICATION NUMBER: PCT/US99/28564

; PRIOR FILING DATE: 1999-12-02

; PRIOR APPLICATION NUMBER: PCT/US99/28565

; PRIOR FILING DATE: 1999-12-02

; PRIOR APPLICATION NUMBER: PCT/US99/30095

; PRIOR FILING DATE: 1999-12-16

; PRIOR APPLICATION NUMBER: PCT/US99/30911

; PRIOR FILING DATE: 1999-12-20

; PRIOR APPLICATION NUMBER: PCT/US99/30999

; PRIOR FILING DATE: 1999-12-20

; PRIOR APPLICATION NUMBER: PCT/US00/00219

; PRIOR FILING DATE: 2000-01-05

; NUMBER OF SEQ ID NOS: 423

; SEQ ID NO 193

; TYPE: DNA

; LENGTH: 47

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

; OTHER INFORMATION: oligonucleotide probe

US-09-905-125A-193

Alignment Scores:

Pred. No.: 5.02e-07

Score: 15.00

Percent Similarity: 100.00%

Best Local Similarity: 100.00%

Query Match: 2.56%

DB: 4

Length: 47

Matches: 15

Conservative: 0

Mismatches: 0

Indels: 0

Gaps: 0

US-09-864-711-14 (1-585) x US-09-905-125A-193 (1-47)

Qy 140 GlucySerPheThrSerProAsnTyProLysProHisProGlu 154

Db 2 GAAGGATCCTTCACGAGCCCAATTACCCAAAGCCGATCCTGAG 46

RESULT 9

US-09-902-775A-193

; Sequence 193, Application US/09902775A

; Patent No. 8686451

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, A.

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Hillan, Kenneth, J.

; APPLICANT: Kijavlin, Ivar J.

; APPLICANT: Mather, Jennie P.

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William, I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE REFERENCE: 10466-14

; CURRENT APPLICATION NUMBER: US/09/902,775A

; PRIOR FILING DATE: 2001-07-10

; PRIOR APPLICATION NUMBER: PCT/US00/04414

; PRIOR FILING DATE: 2000-02-22

; PRIOR APPLICATION NUMBER: US 60/143,048

; PRIOR FILING DATE: 1999-07-07

; PRIOR APPLICATION NUMBER: US 60/145,698

; PRIOR FILING DATE: 1999-07-26

; PRIOR APPLICATION NUMBER: PCT/US99/20594

; PRIOR FILING DATE: 1999-09-08

; PRIOR APPLICATION NUMBER: PCT/US99/20944

; PRIOR FILING DATE: 1999-09-13

; PRIOR APPLICATION NUMBER: PCT/US99/21090

; PRIOR FILING DATE: 1999-09-15

; PRIOR APPLICATION NUMBER: PCT/US99/21547

;; PRIOR FILING DATE: 1999-09-15
;; PRIOR APPLICATION NUMBER: PCT/US99/23089
;; PRIOR FILING DATE: 1999-10-05
;; PRIOR APPLICATION NUMBER: PCT/US99/28214
;; PRIOR FILING DATE: 1999-11-29
;; PRIOR APPLICATION NUMBER: PCT/US99/28313
;; PRIOR FILING DATE: 1999-11-30
;; PRIOR APPLICATION NUMBER: PCT/US99/28564
;; PRIOR FILING DATE: 1999-12-02
;; PRIOR APPLICATION NUMBER: PCT/US99/28565
;; PRIOR FILING DATE: 1999-12-02
;; PRIOR APPLICATION NUMBER: PCT/US99/30095
;; PRIOR FILING DATE: 1999-12-16
;; PRIOR APPLICATION NUMBER: PCT/US99/30911
;; PRIOR FILING DATE: 1999-12-20
;; PRIOR APPLICATION NUMBER: PCT/US99/30999
;; PRIOR FILING DATE: 1999-12-20
;; PRIOR APPLICATION NUMBER: PCT/US00/00219
;; PRIOR FILING DATE: 2000-01-05
;; NUMBER OF SEQ ID NOS: 423
;; SEQ ID NO 193
;; LENGTH: 47
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;; OTHER INFORMATION: oligonucleotide probe
US-09-902-775A-193

Alignment Scores:
Pred. No.: 5,028-07 Length: 47
Score: 15.00 Matches: 15
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 2,56% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-902-775A-193 (1-47)

QY 140 GluGlySerPheThrSerProAsnTyrProLysProHisProGlu 154
DB 2 GAAGGATCTTCACCGAGCCCAATACCCAGGCGCATCTGTGAG 46

RESULT 10

;; Sequence 3619, Application US/09328352
;; Patent No. 6562958
;; GENERAL INFORMATION:
;; APPLICANT: Gary L. Breton et al.
;; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
;; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
;; FILE REFERENCE: GTC99-03FA
;; CURRENT APPLICATION NUMBER: US/09/328,352
;; CURRENT FILING DATE: 1999-06-04
;; NUMBER OF SEQ ID NOS: 8252
;; SEQ ID NO 3619
;; LENGTH: 252
;; TYPE: DNA
;; ORGANISM: Acinetobacter baumannii
US-09-328-352-3619

Alignment Scores:
Pred. No.: 33,3 Length: 252
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 1,37% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-328-352-3619 (1-252)

QY 210 ValThrProThrPheGluSerSer 217

Db 198 GTTACGCCAACGTTTGAAAGCTCA 221

RESULT 11

;; US-09-894-998A-13/c
;; Sequence 13, Application US/09894998A
;; Patent No. 6537555
;; GENERAL INFORMATION:
;; APPLICANT: Hosken, Nancy Ann
;; APPLICANT: Craig H. Day
;; APPLICANT: David C. Dillon
;; APPLICANT: McGowan, Patrick
;; APPLICANT: Sleath, Paul R.
;; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
;; TITLE OF INVENTION: TREATMENT OF HERPES SIMPLEX VIRUS INFECTION
;; FILE REFERENCE: 210121.538
;; CURRENT APPLICATION NUMBER: US/09/894,998A
;; CURRENT FILING DATE: 2001-06-28
;; NUMBER OF SEQ ID NOS: 64
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 13
;; LENGTH: 501
;; TYPE: DNA
;; ORGANISM: Herpes simplex virus
US-09-894-998A-13

Alignment Scores:
Pred. No.: 65,4 Length: 501
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 1,37% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-894-998A-13 (1-501)

QY 232 SerTyrArgGlyPheSerAlaSer 239

Db 139 TCGTACAGGGGATTTTCGCTCG 116

RESULT 12

;; US-09-328-352-3514
;; Sequence 3514, Application US/09328352
;; Patent No. 6562958
;; GENERAL INFORMATION:
;; APPLICANT: Gary L. Breton et al.
;; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
;; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
;; FILE REFERENCE: GTC99-03FA
;; CURRENT APPLICATION NUMBER: US/09/328,352
;; CURRENT FILING DATE: 1999-06-04
;; NUMBER OF SEQ ID NOS: 8252
;; SEQ ID NO 3514
;; LENGTH: 603
;; TYPE: DNA
;; ORGANISM: Acinetobacter baumannii
US-09-328-352-3514

Alignment Scores:
Pred. No.: 78,4 Length: 603
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 1,37% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-328-352-3514 (1-603)

QY 210 ValThrProThrPheGluSerSer 217

Db 130 GTTACGCCAACGTTTGAAAGCTCA 153

RESULT 13

US-09-540-236-1039/c

```
; Sequence 1039, Application US/09540236
; Patent No. 6673910
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATAR
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2005-001
; CURRENT APPLICATION NUMBER: US/09/540,236
; CURRENT FILING DATE: 2000-04-04
; NUMBER OF SEQ ID NOS: 3840
; SEQ ID NO 1039
; LENGTH: 681
; TYPE: DNA
; ORGANISM: M.catarrhalis
; US-09-540-236-1039

Alignment Scores:
Pred. No.: 88.4 Length: 681
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 1.37% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-540-236-1039 (1-681)

QY 250 ThrThrSerLeuThrCysSerSer 257
Db 167 ACCACATCTTGACTTGCTTCG 144

RESULT 14
US-09-894-998A-53/c
; Sequence 53, Application US/09894998A
; Patent No. 6537555
; GENERAL INFORMATION:
; APPLICANT: Hosken, Nancy Ann
; APPLICANT: Craig H. Day
; APPLICANT: Davin C. Dillon
; APPLICANT: McGowan, Patrick
; APPLICANT: Sleath, Paul R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TITLE OF INVENTION: TREATMENT OF HERPES SIMPLEX VIRUS INFECTION
; FILE REFERENCE: 210121.538
; CURRENT APPLICATION NUMBER: US/09/894,998A
; CURRENT FILING DATE: 2001-06-28
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 53
; LENGTH: 761
; TYPE: DNA
; ORGANISM: HSV-2
; US-09-894-998A-53

Alignment Scores:
Pred. No.: 98.6 Length: 761
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 1.37% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-894-998A-53 (1-761)

QY 232 SerTyrArgGlyPheSerAlaSer 239
Db 399 TCGTACAGGGGATTTTCGGCTCG 376

RESULT 15
US-09-453-702B-241/c
; Sequence 241, Application US/09453702B
; Patent No. 6365723
; GENERAL INFORMATION:
; APPLICANT: Blattner, Frederick R.
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; Burland, Valerie
; Perna, Nicole T.
; Plunkett, Guy
; Welch, Rod
; TITLE OF INVENTION: No. 6365723el Sequences of E. coli O157
; NUMBER OF SEQUENCES: 265
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles & Brady
; STREET: 1 South Pinckney Street
; CITY: Madison
; STATE: WI
; COUNTRY: US
; ZIP: 53701-2113
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch. 1.44Mb storage
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 8.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/453,702B
; FILING DATE: 03-Dec-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/110,955
; FILING DATE: 04-DEC-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Seay, Nicholas J.
; REGISTRATION NUMBER: 27386
; REFERENCE/DOCKET NUMBER: 960296.95017
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 251-5000
; TELEFAX: (608) 251-9166
; INFORMATION FOR SEQ ID NO: 241:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1089
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 241:
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Query Match: 1.37% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-453-702B-241 (1-1089)

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

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Searched: 2308684 seqs, 1750822206 residues

Word size: 1

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Post-processing: Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
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and is derived by analysis of the total score distribution.

SUMMARIES

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45	585	100.0	2917	10	US-09-903-823-189	Sequence 189, App

ALIGNMENTS

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; Sequence 1, Application US/09864711
; Patent No. US20020077309A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR PANCREATIC DISORDERS
; FILE REFERENCE: PB-0008-1 CIP
; CURRENT APPLICATION NUMBER: US/09/864,711
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PERL Program
; SEQ ID NO 1
; LENGTH: 1866
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: 223163CT1
US-09-864-711-1

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Pred. No.: 0

Score: 585.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DS: 9 Gaps: 0

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RESULT 2
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Sequence 189, Application US/09909320
Patent No. US20020132240A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.


```

; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909,320
; CURRENT FILING DATE: 2002-01-04
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
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; PRIOR FILING DATE: 1999-09-15
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; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
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; PRIOR FILING DATE: 1999-12-20
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; PRIOR FILING DATE: 1999-12-20
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; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-909-320-189

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Score: 585.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
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Qy 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
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Qy 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
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Qy 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400

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Db 2170 AATTCATTGAAAGACTATACCTGTAATCACCATATATATGTGGATTGAACCAAACTCTT 2229
 Qy 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValPheLeuAspThrCys 420
 Db 2230 TTGTTCAGTATAGTCTGCACACCTCAGATCCAAATTTGGTGTGTTCTTGATACCTGT 2289
 Qy 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyAspLeuLeuLeuSerGlyCys 440
 Db 2290 AGAGCCTCTCCCACTCTGACTTGTGATCTCCAACTCAGACCTAATCAAGAGTGATGT 2349
 Qy 441 SerArgAspGlnThrCysValValTyProLeuPheGlyHisTyGlyArgPheGlnPhe 460
 Db 2350 AGTCGAGAGAAACTGTAGGTGTATCCCTTATTGGACATATGGAGATTCAGATT 2409
 Qy 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyLeuGlnCysLysValLeuile 480
 Db 2410 AATGCCTTTAAATCTTGAGAGATATGAGTCTGTGTATCTGAGTGTAAAGTTTGATA 2469
 Qy 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
 Db 2470 TGTGATAGCAGTACCAACAGCTCTGCTGCAATCAAGGTGTGTCTCCAGAGCAACGA 2529
 Qy 501 AspIleSerSerTyLysTrpLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
 Db 2530 GACATTTCTCATATAATGTAACAGATTCATCATAGGACCCATTCGTCGAAAGG 2589
 Qy 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
 Db 2590 GATCGAAGTGCAAGTGGCAATTCAGGATTCAGCATGAACACATCGCGAAGAAACTCCA 2649
 Qy 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
 Db 2650 AACCAAGCTTTCAACAGTGTGATCTGTTTCTTCAAGTGTGTCTGATGTGTG 2709
 Qy 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyLysTyGln 580
 Db 2710 ACTGTAGCAGCAATCACAGTGGCAATTTGTAAATCAACGGGCGAGACTACAAATACCAG 2769
 Qy 581 LysLeuGlnAsnTyR 585
 Db 2770 AGCTGCAAGACTAT 2784

RESULT 3

US-09-909-088B-189
 ; Sequence 189, Application US/09909088B
 ; Patent No. US20020146709A1

GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth, J.
 ; APPLICANT: Kijavlin, Ivar J.
 ; APPLICANT: Mather, Jennie P.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: 10466-14
 ; CURRENT APPLICATION NUMBER: US/09/909,088B
 ; CURRENT FILING DATE: 2001-07-18
 ; PRIOR APPLICATION NUMBER: PCT/US00/04414
 ; PRIOR FILING DATE: 2000-02-22
 ; PRIOR APPLICATION NUMBER: US 60/143,048
 ; PRIOR FILING DATE: 1999-07-07
 ; PRIOR APPLICATION NUMBER: US 60/145,698
 ; PRIOR FILING DATE: 1999-07-26
 ; PRIOR APPLICATION NUMBER: US 60/146,222
 ; PRIOR FILING DATE: 1999-07-28
 ; PRIOR APPLICATION NUMBER: PCT/US99/20594
 ; PRIOR FILING DATE: 1999-09-08
 ; PRIOR APPLICATION NUMBER: PCT/US99/20944
 ; PRIOR FILING DATE: 1999-09-13
 ; PRIOR APPLICATION NUMBER: PCT/US99/21090
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/21547
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/23089
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: PCT/US99/28214
 ; PRIOR FILING DATE: 1999-11-29
 ; PRIOR APPLICATION NUMBER: PCT/US99/28313
 ; PRIOR FILING DATE: 1999-11-30
 ; PRIOR APPLICATION NUMBER: PCT/US99/28564
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 189
 ; LENGTH: 2917
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-909-088B-189

Alignment Scores:
 Pred. No.: 0 Length: 2917
 Score: 585.00 Matches: 585
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 9 Gaps: 0

US-09-864-711-14 (1-585) x US-09-909-088B-189 (1-2917)

Qy 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyValahsnMetAla 20
 Db 1030 ATGGCGAGGCTGAAGGCAATGCAAGCTCAGTCAGTCAGTCTAGGGGGTGCCAAATATGCA 1089
 Qy 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
 Db 1090 GAGACCCACAAAGCCCATGCTCTGCAACTCAATCCAGTGAAGTCCACCTGGACAATA 1149
 Qy 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyValGlnLeuAspProAsp 60
 Db 1150 GAAAGACCAGAAAACAAAGCATCAGATTATCTTTCTATGTCAGCTTGATCCAGAT 1209
 Qy 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
 Db 1210 GGAAGCTGTGAAGTGAAGCAATTAAGTCTTTGACGGAACTCCAGCAATGGGCTCTG 1269
 Qy 81 LeuGlyGlnValCysSerLysAsnAspTyValProValPheGluSerSerSerThr 100

Db 1270 CTAGGCAAGCTGTCAGTAAACGACTATGTTCTGTATTTGAATCATCATCCAGTACA 1329
QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
Db 1330 TTGAGCTTTCAATAGTACTGACTCAGCAAGAAATTCAAAGAACTGTCTTTGCTCTTCTAC 1389
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
Db 1390 TACTTCTCTCTCTTAACATCTCTATTCCTCAAACTGTGGCGGTACTCTGGATACCTTGGAA 1449
QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr 160
Db 1450 GGATCTCTCACCAGCCCAATACCCAAAGCCGCATCTCTGAGCTGGCTTATTTGTGTGG 1509
QY 161 HisIleGlnValGluLysAspTyrIleLysLeuAsnPheLysGluIlePheLeuGlu 180
Db 1510 CATACATCAAGTGGAGAAATTCAGAGATAAACTAAACTTCAAGAGATTTCTCTAGAA 1569
QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
Db 1570 ATAGACAACAGTGCATTTGATTTCTTGCCATCTATGATGGCCCTCCACCAACTCT 1629
QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerAsnSer 220
Db 1630 GGCCTGATTGGACAAGTCTGTGGCGGTGTGACTCCCACTTCGAATCTCATCAACTCT 1689
QY 221 LeuThrValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
Db 1690 CTGACTGTCTGTGTCTACAGATATGCCAATTTCTTACCGGGGATTTCTTGTCTTCTAC 1749
QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
Db 1750 ACCTCAATTTATGCAAAACATCAACTACATCTTTAACTTCTCTCTCTGACAGATG 1809
QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln 280
Db 1810 AGAGTTATTTATAAGCAATCTCTACCTAGAGCTTTTAACTCTAATGGGAATAACTTGCAG 1869
QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
Db 1870 CTAAAGACCCCACTTGCAGACCAAAATATCAATGTTGTGGATTTCTTGTCTCTCTT 1929
QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrAsnIleIle 320
Db 1930 AATGGATCTGGTACATCAAGAGTACAGATCAGTCAATTAATCAACCAATATAATC 1989
QY 321 ThrPheSerAlaSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
Db 1990 ACCTTTCTGCATCTCTCAACTCTGAGTGATCACCCGTGAGAAACCACTCCAGATTAT 2049
QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
Db 2050 GTGAAGTGTGAATGGGACATAATCTACAGTGAGATATATATACATACAGAGATGAT 2109
QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db 2110 GTAATACAAAGTCAAAATGSCATGGGCAATATATACACCACTGGCTCTTTTGAATCC 2169
QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
Db 2170 AATTCATTTGAAAGACTATCTTGAATCATCATATATATGTTGGATTTGAACCAACTCTT 2229
QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
Db 2230 TTTGTTCAGTGTAGTCTGCACACTTCAGATCAAAATTTGGTGTGTCTTCTGTATACCTGT 2289
QY 421 ArgAlaSerProThrSerPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
Db 2290 AGAGCTCTCCCACTCTGATTTGCACTCTCCACCTTACGACCTTATCAAGAGTGGATG 2349
QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
Db 2350 AGTCAGATGAACACTGTGAAGGTGTATCCCTTTATTTGGACACTATGGAGATTCAGTTT 2409

QY 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
Db 2410 AATGCTTTTAAATCTTTGAGAGATGATGAGCTCTGTGTATCTGCACTGTAAAGTTTGTATA 2469
QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCAGTACCCACCACTCTCGTCAATCAAGGTGTGTCTCCAGAGCAACGA 2529
QY 501 AspIleSerSerTyrLysTyrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
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QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluThrPro 540
Db 2590 GATCGAAGTCAAGTGGCAATTCAGATTCAGCATGAAACACATCGCGAAGAACTCCA 2649
QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACGACCTTTCAACAGTGTGCATCTGTTTTCCTTCATGGTTCATGCTGTAATGTGTG 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGTAGCACAATCACAGTGAAGCATTTGTAAATCAACGGCAGACTACAAATACCAG 2769
QY 581 LysLeuGlnAsnTyr 585
Db 2770 AAGCTGCAGAACTAT 2784

RESULT 4

US-09-905-291A-189
; Sequence 189, Application US/09905291A
; Patent No. US20020160374A1

GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
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; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
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; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905/291A
; CURRENT FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594

/ PRIOR FILING DATE: 1999-09-08
 / PRIOR APPLICATION NUMBER: PCT/US99/20944
 / PRIOR FILING DATE: 1999-09-13
 / PRIOR APPLICATION NUMBER: PCT/US99/21090
 / PRIOR FILING DATE: 1999-09-15
 / PRIOR APPLICATION NUMBER: PCT/US99/21547
 / PRIOR FILING DATE: 1999-09-15
 / PRIOR APPLICATION NUMBER: PCT/US99/23089
 / PRIOR FILING DATE: 1999-10-05
 / PRIOR APPLICATION NUMBER: PCT/US99/28214
 / PRIOR FILING DATE: 1999-11-29
 / PRIOR APPLICATION NUMBER: PCT/US99/28313
 / PRIOR FILING DATE: 1999-11-30
 / PRIOR APPLICATION NUMBER: PCT/US99/28564
 / PRIOR FILING DATE: 1999-12-02
 / PRIOR APPLICATION NUMBER: PCT/US99/28565
 / PRIOR FILING DATE: 1999-12-02
 / PRIOR APPLICATION NUMBER: PCT/US99/30095
 / PRIOR FILING DATE: 1999-12-16
 / PRIOR APPLICATION NUMBER: PCT/US99/30911
 / PRIOR FILING DATE: 1999-12-20
 / PRIOR APPLICATION NUMBER: PCT/US99/30999
 / PRIOR FILING DATE: 1999-12-20
 / PRIOR APPLICATION NUMBER: PCT/US00/00219
 / PRIOR FILING DATE: 2000-01-05
 / NUMBER OF SEQ ID NOS: 423
 / SEQ ID NO 189
 / LENGTH: 2917
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 / US-09-905-291A-189

Alignment Scores:

Pred. No.: 0 Length: 2917
 Score: 585.00 Matches: 585
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 9 Gaps: 0

US-09-864-711-14 (1-585) x US-09-905-291A-189 (1-2917)

QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyAlaAsnMetAla 20
 DB 1030 ATGGCGGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCTAGGGGTGCCAATATGCA 1089
 QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
 DB 1090 GAGCCCAAGCCATGATCTGCACTCAATCCAGTGAGAGAACTGCCTGGACAATA 1149
 QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAspProAsp 60
 DB 1150 GAAAGACCCAGAAAACAAAGCATCAGAAATATCTTTCTATGTCAGCTTGATCCAGAT 1209
 QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
 DB 1210 GGAAGCTGGAAGAGTGAACCAATTAAGTCTTTGACGGAACCTCCAGCAATGGGCTCTG 1269
 QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
 DB 1270 CTAGGGCAAGTCTGCAGTAAACACATAGTTCTGTATTTGAATCATCATCCAGTACA 1329
 QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
 DB 1330 TTGACGTTTCAATAGTTACTGATCCAGCAAGAATTCAGAAAGTCTTTGTCTTCTAC 1389
 QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrIleuAspThrLeuGlu 140
 DB 1390 TACTTCTTCTCTTCAATCTCTATTCCAAACTGTGGCGTTACCTGGATACCTTGGAA 1449
 QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTrp 160
 DB 1450 GGATCTCTTCCAGGCCCCAATACCCAAAGCCGCATCTCTGAGCTGGCTTATTTGTGTGG 1509

QY 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
 DB 1510 CACATACAAAGTGGAGAAAGATTACAGATATAAATCAAACCTTCAAAGAGATTCTCTGAA 1569
 QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
 DB 1570 ATAGACAAACAGTGCATAATTTGATTTCTTGCCATCTATGATGGCCCTCCACCAACTCT 1629
 QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
 DB 1630 GGCTGATTGGCAAGTCTGTGGCGTGGAGCTCCACCTTCGAATCTGATCTCAAACTCT 1689
 QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
 DB 1690 CTGACTGTCTGTGTCTACAGATTATGCCAATCTTACCGGGGATTTCTGCTCTCTAC 1749
 QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
 DB 1750 ACCTCAATTTATGCAGAAACATCAACACTACATCTTTAACTTCTCTCTGACAGGATG 1809
 QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
 DB 1810 AGAGTTATTATAGCAATCTCTACCTAGAGCTTTTAACTCTAATGGGAATAACTTGCA 1869
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 QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
 DB 1930 ATGGATGTGTGTAATCAGAAAGTAGAGATCATCTCAATTAATTTACACCAATATAATC 1989
 QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
 DB 1990 ACCTTTCTGCACTCTCACTTCTGAGTGATCAACCGTCAGAAACCACTCCAGATTATT 2049
 QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
 DB 2050 GTGAAGTGTGAATGGGACATAATTTCTACGTGAGATAATATATACATAACAGAGATGAT 2109
 QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
 DB 2110 GTAAATACAAAGTCAAAATGCACTGGGCAAAATATAACACCAAGATGGCTCTTTTGAATCC 2169
 QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
 DB 2170 AATTCAATTTGAAAAGACTATATCTTCAATCACTATTTATGTGGATTTGAAACCAACTCT 2229
 QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
 DB 2230 TTTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGGTGTCTTCTTGATACCTGT 2289
 QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
 DB 2290 AGAGCTCTCCACCTCTGACTTTGCACTCTCAACCTACGACCTTAATCAAGAGTGGATGT 2349
 QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
 DB 2350 AGTCAGATGAATCTTGTAGGTGTATCCCTTATTGGACACTATGGAAGATTCAGATT 2409
 QY 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
 DB 2410 AATGCTTTAAATCTTCAGAAAGTATGAGCTCTGTATCTGATCTGCAATGTAAGTTTGA 2469
 QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnCysValSerArgSerLysArg 500
 DB 2470 TGTGATAGCAGTGACCACTCTGCTGCTGCAATCAAGGTTGTGTCTCCAGAGCAACAGA 2529
 QY 501 AspIleSerSerTyrLysTrpLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
 DB 2530 GACATTTCTTCATATAATGAAACAGATTCATCATAGACCACTTCTGCTGAAAAAGG 2589

QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
 Db 2590 GATCGAGTGCAGTGGCAATTCAGGATTCAGCATGAACACATGCGGAGAACTCCA 2649
 QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
 Db 2650 AACACGCCCTTCAACAGTGTGCATCTGTTTCTCCTTCATGGTTCTAGCTCTGAATGTGGTG 2709
 QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
 Db 2710 ACTGAGCGACAAATCACAGTGGGCAATTTGTAAATCAACGGCGAGACTACAAAATACCAG 2769
 QY 581 LysLeuGlnAsnTyr 585
 Db 2770 AAGCTGCAGAACTAT 2784

RESULT 5

US-09-902-853-189
 ; Sequence 189, Application US/09902853
 ; Publication No. US20020192659A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gab, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth, J.
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 ; APPLICANT: Mather, Jennie P.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; FILE REFERENCE: 10466-14
 ; CURRENT APPLICATION NUMBER: US/09/902,853
 ; PRIOR FILING DATE: 2001-07-10
 ; PRIOR APPLICATION NUMBER: US/09/665,350
 ; PRIOR FILING DATE: 2000-09-18
 ; PRIOR APPLICATION NUMBER: US 60/143,048
 ; PRIOR FILING DATE: 1999-07-07
 ; PRIOR APPLICATION NUMBER: US 60/145,698
 ; PRIOR FILING DATE: 1999-07-26
 ; PRIOR APPLICATION NUMBER: US 60/146,222
 ; PRIOR FILING DATE: 1999-07-28
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 ; PRIOR FILING DATE: 1999-09-08
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 ; PRIOR FILING DATE: 1999-09-13
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; PRIOR APPLICATION NUMBER: PCT/US99/28564
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 189
 ; LENGTH: 2917
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 ; US-09-902-853-189
 Alignment Scores:
 Pred. No.: 0 Length: 2917
 Score: 585.00 Matches: 585
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 9 Gaps: 0
 US-09-864-711-14 (1-585) x US-09-902-853-189 (1-2917)
 QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyValAsnMetAla 20
 Db 1030 ATGGCGAGGCTGAAGCAATGCAAGCTGCACAGTCAGTCAGTGGGGGTGCCAATATGGCA 1089
 QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrThrIle 40
 Db 1090 GAGACCCCAAGCCATGATCTGCACTCAATCCAGTGAGAGACTGCACCTGCACAATA 1149
 QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAsnProAsp 60
 Db 1150 GAAAGCCAGAAACAAAGCATGCAATATCTTTCTATGTCAGCTTGATCCAGAT 1209
 QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
 Db 1210 GGAAGCTGTGAAGTGAAACATTAAGTCTTTGACGGAACCTCCAGCAATGGGCTCTG 1269
 QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
 Db 1270 CTAGGCGAAGCTGCGAGTAAAGACGACTATGTTCTGTATTGTAATCATCATCCAGTACA 1329
 QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
 Db 1330 TTGACGTTTCAATAGTTACTGACTCAGCAAGAAATTCAGAGAACTGTTGTTCTCTAC 1389
 QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
 Db 1390 TACTTCTTCTCTCTAAATCTCTATTCCAAACTGTGGCGGTACCTGGATACCTGGAA 1449
 QY 141 GlySerPheThrSerProAsnTyrProLysProIleProGluLeuAlaTyrCysValTyr 160
 Db 1450 GGATCTTCCACAGCCCAATTCAGAGCGGATCTGAGCTGGCTTATTGTGTGG 1509
 QY 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
 Db 1510 CACATACAAAGTGGAGAAAGATTACAGATAAACTTCAAGAGATTTTCTTAGAA 1569
 QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
 Db 1570 ATAGACAAAGAGTGCATAATTGATTCTTCCCATCATATGATGCCCTCCACCACTCT 1629
 QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
 Db 1630 GGCCTGATTGGACAAAGTCTGTGGCGGTGTGACTCCCACTTCGAATCGTCACTCAACTCT 1689

QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
Db 1690 CTGACTGTGGTGTGTCTACAGATTATGCAATTTCTTACCGGGGATTTTCTGCTTCCTAC 1749
QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAsnArgMet 260
Db 1750 ACCTCAATTATGCGAAGAACATCAACATCATCTTTAACTTGTCTTCTTGACAGGATG 1809
QY 261 ArgValIleIleSerIleSerTyrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln 280
Db 1810 AGAGTTTATTATAAGCAATCTCTACCTAGAGGCTTTTAACTCTAATGGGAATACTTGCAA 1869
QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
Db 1870 CTAAAGACCCAACTTGCAGACCAAAATTATCAATGTTTGTGGAATTTCTGTCCCTCTT 1929
QY 301 AsnIleCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
Db 1930 AATGGATGGTACAAATCAGAAAGGTAGAAGATCAGTCAATTACTTACCACAATATATC 1989
QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
Db 1990 ACCTTTTCTGCATCTCTCAACTTCTGAAGTGATCACCGCTCAGAAACAACCTCCAGATTAT 2049
QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAsnAsp 360
Db 2050 GTGAGTGTGAATGGGACATAATCTACAGTGGAGATAATATACATTAACAGAGATGAT 2109
QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db 2110 GTAATACAAAGTCAAAATGCACTGGGCAATATAACACGAGCATGGCTCTTTTGAATCC 2169
QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
Db 2170 AATTCATTGAAGAAGACTATCTTGAATCACCATTATGAGATTGGATTTGAAACAACCTTT 2229
QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
Db 2230 TTTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGGTGTCTTCTTGTATACCTGT 2289
QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuLeuLysSerGlyCys 440
Db 2290 AGAGCTCTCCCACTCTGACTTTGCATCTCCAACTACGACCTAATCAAGTGGATGT 2349
QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyValArgPheGlnPhe 460
Db 2350 AGTCGAGATGAATCTGAAGGTGTATCCCTTTATTGGACACTATGGGAGATTCAGTTT 2409
QY 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
Db 2410 AATGCTTTAAATCTTGAGAGATGATGAGCTCTGTGTATCTGCAGTGTAAAGTTTGTATA 2469
QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCAGTGACCAACAGCTCTCGTGCATCAAGGTTGTCTCTCAGAGCAACGA 2529
QY 501 AspIleSerSerTyrIleTyrIleThrAspSerIleIleGlyProIleArgLeuLysArg 520
Db 2530 GACATTTCTTCATATAAATGGAACACAGATCCATCAGACCCCAATCTGCTCTGAAAGG 2589
QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluThrPro 540
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QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACCAAGCCTTTCAACAGTGTGCATCTGTTTCTTCTCATGTTCTAGCTCTGAAATGTGGTG 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGAGGACCAATCACAGTGGGCAATTTGTAATCAACGGGAGAGTCAAAATACACAG 2769
QY 581 LysLeuGlnAsnTyr 585

Db 2770 AAGTCGAGAACTAT 2784

RESULT 6

US-09-307-824-189

Sequence 189, Application US/09907824

Publication No. US20020197671A1

GENERAL INFORMATION:

APPLICANT: Genentech, Inc.

APPLICANT: Botstein, David

APPLICANT: Ashkenazi, Avi

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone

APPLICANT: Filvaroff, Ellen

APPLICANT: Fong, Sherman

APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, A.

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, Christopher J.

APPLICANT: Gurney, Austin L.

APPLICANT: Hillan, Kenneth, J.

APPLICANT: Kljavin, Ivar J.

APPLICANT: Mather, Jennie P.

APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William, I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

Acids Encoding the Same

FILE OF INVENTION: 10466-14

CURRENT APPLICATION NUMBER: US/09/907,824

CURRENT FILING DATE: 2001-07-17

PRIOR APPLICATION NUMBER: 09/665,350

PRIOR FILING DATE: 2000-09-18

PRIOR APPLICATION NUMBER: PCT/US00/04414

PRIOR FILING DATE: 2000-02-22

PRIOR APPLICATION NUMBER: US 60/143,048

PRIOR FILING DATE: 1999-07-07

PRIOR APPLICATION NUMBER: US 60/145,698

PRIOR FILING DATE: 1999-07-26

PRIOR APPLICATION NUMBER: US 60/146,222

PRIOR FILING DATE: 1999-07-28

PRIOR APPLICATION NUMBER: PCT/US99/20594

PRIOR FILING DATE: 1999-09-08

PRIOR APPLICATION NUMBER: PCT/US99/20944

PRIOR FILING DATE: 1999-09-13

PRIOR APPLICATION NUMBER: PCT/US99/21090

PRIOR FILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: PCT/US99/21547

PRIOR FILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: PCT/US99/23089

PRIOR FILING DATE: 1999-10-05

PRIOR APPLICATION NUMBER: PCT/US99/28214

PRIOR FILING DATE: 1999-11-29

PRIOR APPLICATION NUMBER: PCT/US99/28313

PRIOR FILING DATE: 1999-11-30

PRIOR APPLICATION NUMBER: PCT/US99/28564

PRIOR FILING DATE: 1999-12-02

PRIOR APPLICATION NUMBER: PCT/US99/28565

PRIOR FILING DATE: 1999-12-02

PRIOR APPLICATION NUMBER: PCT/US99/30095

PRIOR FILING DATE: 1999-12-16

PRIOR APPLICATION NUMBER: PCT/US99/30911

PRIOR FILING DATE: 1999-12-20

PRIOR APPLICATION NUMBER: PCT/US99/30999

PRIOR FILING DATE: 1999-12-20

PRIOR APPLICATION NUMBER: PCT/US00/00219

;; PRIOR FILING DATE: 2000-01-05
;; NUMBER OF SEQ ID NOS: 423
;; SEQ ID NO 189
;; LENGTH: 2917
;; TYPE: DNA
;; ORGANISM: Homo Sapien
US-09-907-824-189

Alignment Scores:

Pred. No.: 0 Length: 2917
Score: 585.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-864-711-14 (1-585) x US-09-907-824-189 (1-2917)

QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
DB 1030 ATGGCGGAGGCTGAAGGCAATGCAAGCTGCACAGTCACTTAGGGGGTGCCAAATATGCA 1089
QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
DB 1090 GAGACCCCAAGCCATGATCTGCACTCAATCCCACTGAGAACTGCACCTGACCAATA 1149
QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAsnProAsp 60
DB 1150 GAAAGACAGAAAACAAAGCATCAGATTAATCTTTCCATATGTCAGCTTGATCCAGAT 1209
QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
DB 1210 GGAAGCTGTGAAGTGAAGAAACATTAAAGCTTTTGACGAACTCCAGCAATGGGCCCTCTG 1269
QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
DB 1270 CTAGGCGAAGTCTGCAGTAAAGAACGATGTTCTCTGATTTTGAATCATCATCCAGTACA 1329
QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
DB 1330 TTGACGTTTCAATAGTTACTGACTCAGCAAGAAATTCAGAAAGTCTGTTTGTCTTCTAC 1389
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
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DB 1510 CACATACAAGTGGAGAAGATTACAAGATAAACTAACTAAAGAGATTTTCTCTAGAA 1569
QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
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DB 1630 GGCCCTGATTGACAAGTCTGTGGCGGTGACTCCCACTCCCACTCCCACTCCCACTCT 1689
QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
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QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
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QY 261 ArgValIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
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QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
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QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
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QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
DB 1990 ACCTTTTCTGATCTCTCACTTCTCAAGTGATCACTCCCTCAGAAACAATCTCCAGTTATT 2049
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QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
DB 2170 AATTCAATTTGAAAAGACTATATCTTGAATCACAATATATGTGGATTTGAACAACTCTT 2229
QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
DB 2230 TTTGTTCAAGTTAGTCTGCACACCTCAGATCAAAATTTGGTGGTGTCTTTGATACCTGT 2289
QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
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QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
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QY 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
DB 2410 AATGCTTTAAATCTTGAGAAGATATGAGCTCTGTATCTGCACTGTAAAGTTTGTATA 2469
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DB 2470 TGTGATAGCAGTGACCAACCACTCGTCAATCAAGTTGTGTCTCCAGAAGCAACGA 2529
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QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
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QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
DB 2650 AACAGACCTTTCAACAGGTGTCATCTCTTTCCCTTCTAGTCTCTGAAATGTGGTG 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
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QY 581 LysLeuGlnAsnTyr 585
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RESULT 7

US-09-907-841-189
; Sequence 189, Application US/09907841
; Publication No. US20020198366A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David


```

; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Goddowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US 09/907,841
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-907-841-189

Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 585.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-864-711-14 (1-585) x US-09-907-841-189 (1-2917)

QY 1 MetalGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
Db 1030 ATGGCGGAGGCTGAAGGCAATCAAGTGCACAGTCAGTCATGAGGGGTGCCAATATGGCA 1089

QY 21 GluThrHisLysAlaMetIleuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
Db 1090 GAGACCCCAAGGCCATCATCTCGCACTCAATCCCACTGAGAGTGAAGTGCAGTCACTGAGCAATA 1149
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QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
Db 1210 GGAAGCTGTGAAGTGAAGAACATTAAAGTCTTTGACGGAACCTCCAGCAATGGGCGCTGTG 1269

QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
Db 1270 CTAGGGCAAGTCTGCAGTAAACACGACTATGCTCTGTATTGATCATCATCCAGTACA 1329

QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
Db 1330 TTGACGTTTCAATAGTTACTGACTCAGCAAGAATTCAAGAGACTGCTTTGTCTTCTAC 1389

QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
Db 1390 TACTTCTCTCTCTAAACATCTCTATTCCAACTGTGGCGGTACCTGGATACCTTGGAA 1449

QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTrp 160
Db 1450 GGATCCTTCCACGAGCCCAATTACCCAAAGCCGATCCTGAGCTGGCTTATTGTGTGG 1509

QY 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
Db 1510 CACATCAAGTGGAGAAAGATTCAAGATAAACTTAACTTCAAGAGATTTTCTTGA 1559

QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
Db 1570 ATAGACAAACAGTGCATAATTTGATTTCTTGCCATCTATGATGCGCCCTCCACCACTCT 1629

QY 201 GlyLeuIleGlyGlnValCysGlyValArgValThrProThrPheGluSerSerAsnSer 220
Db 1630 GGCCTGATTGGACAAGTCTGTGGCGGTGTGACTCCCACTTCGAATCGTCAATCAACTCT 1689

QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
Db 1690 CTGACTGTCTGTCTACAGATTATGCCAATTTCTTACGGGGATTTTCTGCTTCCTAC 1749

QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
Db 1750 ACCTCAATTTATGCAGAAAACATCAACACTACATCTTTAACTTCTCTCTGACAGGATG 1809

QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln 280
Db 1810 AGAGTTATTATAGCAAAATCTCTAGAGGCTTTTAACTCTATATGGGAATACTTGC 1859

QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
Db 1870 CTAAAAGACCCCAACTTGCAGACCAAAATTTATCAATGTGTGGAATTTTCTGCTCCTCT 1929

QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
Db 1930 AATGGATGTGTACATCATCAAGAGGTAGAGATCAGTCAATTACTTACACCAATATATC 1989

QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
Db 1990 ACCTTTCTGTCATCTCTCAACTTCTGAGTGTATCACCCTGAGAAACCACTCCAGATTAT 2049

QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
Db 2050 GTGAAGTGTGAATGGGACATAATTTCTACGTGGAGATATATATACATAACAGAGATGAT 2109

QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db 2110 GTAAATACAAAGTCAAAATGCACTGGCAAAATATACACCAAGTGGCTCTTTTGAATCC 2169

QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
Db 2170 AATCTATTGAAAAGACTATCTTGAATCACCATTATTTATGTTGGGATTTGAAACCAACTCT 2229

QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
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Db 2230 TTGTGCTAGCTAGCTGACACCTCAGATCAAAATTTGGTGGTGTTCCTTGACACTGT 2289
 QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuLeuLysSerGlyCys 440
 Db 2290 AGAGCGCTCTCCACCTCTGACTTTCATCTCCACCTAGACCTAATCAAGATGGATGT 2349
 QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
 Db 2350 ATCCGAGATGAACCTGTGAAGGTGATCCCTTATTTGGACACTATGGGAGATTCACAGTTT 2409
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 Db 2410 AATGCTTTAAATCTTTCGAGAAGTATGAGCTGTGTATCTGCAGTGTAAAGTTTGTATA 2469
 QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
 Db 2470 TGTGATGACGAGTACACCACTCTCGCTGCAATCAAGGTGTGTCTCCAGAAGCAACGA 2529
 QY 501 AspIleSerSerTyrLysTyrLysThrAspSerIleLeuGlyProIleArgLeuLysArg 520
 Db 2530 GACATTTCTTATATAATGAAACAGATTCATCATAGACCCATTCGTCTGAAAGG 2589
 QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
 Db 2590 GATCGAAGTCAAGTGGCAATTCAGGATTCAGCATGAAACACATGCGGAAGAACTCCA 2649
 QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
 Db 2650 AACAGCCTTTCACAGTGTGCACTGTGTTTCTTCATGTTCTAGTCTGAATGTGGTG 2709
 QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
 Db 2710 ACTGTAGCGCAATCACAGTGGGATTTTGTAAATCAACGGCGCAGACTACAAATACAG 2769
 QY 581 LysLeuGlnAsnTyr 595
 Db 2770 AAGCTGCAGAACTAT 2784

RESULT 8

US-09-904-011-189
 ; Sequence 189, Application US/09904011
 ; Publication No. US20030003530A1
 ; GENERAL INFORMATION:

APPLICANT: Genentech, Inc.
 APPLICANT: Ashkenazi, Avi
 APPLICANT: Botstein, David
 APPLICANT: Desnovers, Luc
 APPLICANT: Eaton, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, A.
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth J.
 APPLICANT: Kljavin, Ivar J.
 APPLICANT: Mather, Jennie P.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 FILE OF INVENTION: Acids Encoding the Same
 FILE REFERENCE: 10466-14
 CURRENT APPLICATION NUMBER: US/09/904,011

Alignment Scores:

Pred. No.: 0
 Score: 585.00
 Percent Similarity: 100.00%
 Best Local Similarity: 100.00%
 Query Match: 100.00%
 DB: 10
 Length: 2917
 Matches: 585
 Conservative: 0
 Mismatches: 0
 Indels: 0
 Gaps: 0

US-09-864-711-14 (1-585) x US-09-904-011-189 (1-2917)

QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
 Db 1030 ATGGCGAGGCTGAAGGCAATGCAAGCTGCACAGTCACTAGTGGGGGTGCCAATATGCA 1089
 QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
 Db 1090 GAGACCCCAAAAGCCATGATCCTGCAACTCAATCCCACTGAGAACTGCACCTGGACAATA 1149
 QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAspProAsp 60
 Db 1150 GAAAGACCAGAAAACAAAGCATCAGAAATATCTTTCTTCTATGTCAGCTTGATCCAGAT 1209
 QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
 Db 1210 GGAAGCTGTGAAGTGAARACATTTAAAGTCTTTGACGGAACCTCCAGCAATGGGCGCTCTG 1269
 QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
 Db 1270 CTAGGCGAAGTCTGACGTAAACAGACTATGTTCTGTATTGATTCATCATCCAGTACA 1329

QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
Db 1330 TTGACGTTTCAATATGTTACTGACTCAGCAAGAAATTCGAAGAACTGTCTTGTCTTCTAC 1389
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCySGlyGlyValThrLeuAspThrLeuGlu 140
Db 1390 TACTTCTTCTCTTCAATATCTATTCGAATCTGTGGCGGTTCCTCGATACCTTGGAA 1449
QY 141 GlySerPheThrSerProAsnTyrProHisProGluLeuAlaTyrCysValTyr 160
Db 1450 GGATCTCTTCAACAGCCCAATACCCAAAGCCGATCTGTAGCTGCTTATTTGTGTGG 1509
QY 161 HisIleGlnValGluLeuAspTyrIleValIleLeuAsnPheLeuGluIlePheLeuGlu 180
Db 1510 CACATCAAGTGGAGAAAGATTACAGATAAACTTAAACTTCAAGAGAAATTTCTCTGAA 1569
QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
Db 1570 ATAGACAAACAGTGCATATTTCTTGTGCAATCTATGATGGCCCTCCACCACTCT 1629
QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerAsnSer 220
Db 1630 GGCCCTGATTGGCAAGTCTGTGGCGGTGTGACTCCACCTTCGAATGCTCATCAAACTCT 1689
QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
Db 1690 CTGACTGTCTGTCTACAGATTATGCCAATCTTACCGGGATTTTCTGCTTCTCTAC 1749
QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
Db 1750 ACCTCAATTTATGCAAGAAACATCAACACTACATCTTTAACTGTCTCTTCTGACAGATG 1809
QY 261 ArgValIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln 280
Db 1810 AGAGTTATATAGCAAACTCTTACCTAGAGGCTTTAACTCTATGGGAATTAATTCGAA 1869
QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
Db 1870 CTAAAGACCCAACTTGACAGCAAAATATCAATGTGTGGAAATTTCTGCTCCCTCTT 1929
QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrThrAsnIleIle 320
Db 1930 AATGATGTGGTACAAATCAGAAAGTAGAATCAGTCAATTAATCTTACCAATATATATC 1989
QY 321 ThrPheSerAlaSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
Db 1990 ACCTTTTCTGCATCTCAACTCTGAGTGTATCACCGTCAAGAAACAACTCCAGATTAT 2049
QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
Db 2050 GTGAAGTGTGAATGGGACATAATTTCTACGTGGAGATAATATACATAACAGAGATGAT 2109
QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db 2110 GTAATACAAAGTCAAAATGCACTGGCAAAATATACACCAAGTGGCTCTTTTGAATCC 2169
QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
Db 2170 AATTCATTGAAGACATATATCTGAATCACCATATATGTGGATTTGAACCAACTCTT 2229
QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
Db 2230 TTTGTTCAAGTAGTCTGCACACTTCAGATCCAAATTTGGGTGTCTTGTGATACCTGT 2289
QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
Db 2290 AGAGCTCTCCACCTCTGATTTGTGATCTCCAACTACGACCTTAATCAAGATGGATGT 2349
QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
Db 2350 AGTCAGATGAACACTGTAGGTGTATCCCTTATTTGGACATATATGGAGATTCAGTTT 2409

QY 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
Db 2410 AATGCGCTTTAAATCTTTGAGAAGATGAGCTCTGTGTATCTGCAGTGTAAAGTTTGTAT 2469
QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCAGTGACCAACAGTCTGCTGCAATCAAGGTGTGTCTCCAGAGCAACGA 2529
QY 501 AspIleSerSerTyrLysTyrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
Db 2530 GACATTTCTCATATAATAGAAACAGATTCATATGAGACCCATTCGCTGTAAGAGG 2589
QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluIleThrPro 540
Db 2590 GATCGAAGTGCAGTGCAGTCAATTCAGCATGAAACACATGCGGAAGAACTCCA 2649
QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACGACCTTTCACAGTGTGCATCTGTCTTCTTCATGGTCTAGCTCTGATGTGGTG 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGTAGCGCAATCACAGTGAGGCAATTTGTAAATCAACGGCGAGACTACAAATACAG 2769
QY 581 LysLeuGlnAsnTyr 585
Db 2770 AAGCTGCAGAACTAT 2784

RESULT 9
US-09-906-742-189
; Sequence 189, Application US/09906742
; Publication No. US20030023054A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,742
; CURRENT FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28

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; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-864-711-14
Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 585.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0
US-09-864-711-14 (1-585) x US-09-906-742-189 (1-2917)
QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
Db 1030 ATGGCGGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCTAGGGGGTGCCATATGGCA 1089
QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTyrThrIle 40
Db 1090 GAGACCCACAAAGCCATGATCTCTCAACTCAATCCAGTGAGAACTGCACCTGGACATA 1149
QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAspProAsp 60
Db 1150 GAAAGACGAGAAACAAAGCAATGCAAGCTGCACAGTCTATCTTCCATGTCCAGCTTGA 1209
QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
Db 1210 GGAAGCTGTGAAGTGAACATTAAGTCTTTGACGGAACCTCCAGCAATGGGCTCTG 1269
QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
Db 1270 CTAGGCAAGTCTGCAGTAAACAGCAATGTTCTGTATTTGAATCATCATCCAGTACA 1329
QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
Db 1330 TTGACGTTTCAAAGTACTGACTCAGCAAGAAATTCAAAGAACTGTCTTGTCTCTAC 1389
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
Db 1390 TACTTCTTCTCTAACATCTCTATTCCAACTGTGGCGGTACCTGGATACCTTGGAA 1449
QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr 160
Db 1530 GACATTTCTTCATATAAATGGAAACAGATTCATCATAGACCCATTCCTCTGTAAGAGG 2589
1450 GGATCCTTCCAGGCCCAATTTACCCAAAGCGCATCTCTAGCTGGCTATTGTGTGTGG 1509
161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
1510 CACATACAAAGTGGAGAGATTACAAGATAAACTAAACTTCAAGAGATTTCCTAGNA 1569
181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
1570 ATAGACAAACAGTGCATAATTTGATTTTCTGCCATCTATGATGGCCCTCCACCAACTCT 1629
201 GlyLeuIleGlyGlnValCysGlyValThrProThrPheGluSerSerSerAsnSer 220
1630 GGCTGATTTGGACAGTCTGTGGCGGTGTGACTCCCACTTCGATCTGATCAACTCT 1689
221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
1690 CTGACTGTCTGTCTCTACAGATTATGCCAATTTTACCGGGGATTTTCTGTCTCTCTAC 1749
241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
1750 ACCTCAATTTATGCAAAACATCAACACTACATCTTTAACTTGTCTCTCTGACAGGATG 1809
261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
1810 AGAGTTATTATAAGCAATCTTACCTAGAGCTTTTAACTCTAATGGGAATACTTGCAT 1869
281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
1870 CTAAAGAGCCCAACTTGCAGACCAAAATTTCAATGTGTGGAAATTTTCTGTCTCTCT 1929
301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
1930 AATGGATGTGTACAAATCAGAAAGGTAGAGATCAGTCAATTACTTACACCAATATAATC 1989
321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
1990 ACCTTTCTGTCATCTCAACTTCTGAAAGTGATCACTCCGTCAGAAACCACTCCAGATTAT 2049
341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
2050 GTGAAGTGTGAATGGGACATAATCTACAGTGGAGATTAATATACATAACAGAGATGAT 2109
361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
2110 GTAATACAAAGTCAAAATGCACTGGGCAAAATATAACACCAAGATGGCTCTTTTGAATCC 2169
381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
2170 AATTCATTTGAAGACATATACCTTGAATCACCATTATGTGGATTGGAACCAACTCTT 2259
401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
2230 TTTGTTCAAGTGTAGTCTGCACACTCAGATCCAAATTTGGTGGTGTCTTTGATACCTGT 2289
421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
2290 AGAGCTCTCCCACTCTGACTTTGCATCTCCACCTCCACCTCAATCAAGAGTGGATGT 2349
441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
2350 AGTCAGAGATGAATCTGTAGGTGTATCCCTTATTGGACACTATGGAGATTTCCAGTTT 2409
461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
2410 AATGCTTTAAATTTCTTGAGAAGTATGAGTCTGTGTATCTGCAGTGTAAAGTTTTCATA 2469
481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerAspSerLysArg 500
2470 TGTGATAGCAGTGCACCACTGTCTGGTGTCAATCAGAGTTGTGTCTCCAGAACCAACGA 2529
501 AspIleSerSerTyrLysTyrPheThrAspSerIleIleGlyProIleArgLeuLysArg 520
2530 GACATTTCTTCATATAAATGGAAACAGATTCATCATAGACCCATTCCTCTGTAAGAGG 2589
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QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
Db 2590 GATCGAAGTGAAGTGGCAATTCAGGATTCAGCATGAACACATGCGGAGAACTCCA 2649
QY 541 AsnGlnProPheAsnSerValHisIstPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACCAAGCCCTTCAACAGTGTGATCTGTTTCTTCCTTCATGGTTCTAGCTCTGAATGTGTG 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGTAGCGACATCATCATGAGGATTTTGTAAATCATACGGCGACATCATAAATACCG 2769
QY 581 LysLeuGlnAsnTyr 585
Db 2770 AAGCTGCAGAACTAT 2784
RESULT 10
US-09-906-838-189
; Sequence 189, Application US/09906838
; Publication No. US20030027143A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gottard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,838
; CURRENT FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214

; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
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; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-906-838-189
Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 585.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0
US-09-864-711-14 (1-585) x US-09-906-838-189 (1-2917)
QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
Db 1030 ATGGCGAGGCTGAAGGCAATCAAGCTGCACAGTCAGTCTAGGGGGGGCCAAATATGCA 1089
QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTyrThrIle 40
Db 1090 GAGACCCACAAAGCCATGATCTGCACTCAATCCAGTGAGAACTGCACCTGGACAATA 1149
QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAsnProAsp 60
Db 1150 GAAAGACCCAGAAACAAAGCATCAAGATTAATCTTTCTATGTCAGCTTGCATCCAGAT 1209
QY 61 GlySerCysGluSerGluAsnLysValPheAspGlyThrSerSerAsnGlyProLeu 80
Db 1210 GGNAGCTGTGAAGTGAAGAAACATTAAGTCTTTGACGGACCTCCAGCAATGGGCTCTG 1269
QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerSerThr 100
Db 1270 CTAGGGCAAGTCTGCAGTAAACCACTATGTTCTCTGTTTGAATCATCATCCAGTACA 1329
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QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr 160
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Db 1570 ATGACAAAACAGTCAAAATTGATTTCTTGCCATCTATGATGGCCCTCCACCAACTCT 1629
QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220

Db 1630 GGCCTGATTGGACAGTCTGTGGCGGTGACTCCACCTTCGAATCGTCATCAAACTCT 1689
Qy 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
Db 1690 CTGACTGTCGTGTGTCTACAGATTATGCCAATCTTACCGGGGATTTCTGCTTCCTAC 1749
Qy 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
Db 1750 ACCTCAATTTATGCGAAGAACATCAACACTATCTTTAACTTCTCTCTTCGACGAGTG 1809
Qy 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln 280
Db 1810 AGAGTTATTATGAAGAAATCTTACTAGAGCTTTTAACTCTATGGGAATTAATTCGAA 1869
Qy 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
Db 1870 CTAAGAAGACCCAACTTGACAGACCAAAATTATCAAAATGTTGTGGAATTTCTGTCCCTCT 1929
Qy 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
Db 1930 AATGATGTGTACAAATCAGAAAGTAGAAGATCAGTCATTTACTTACCAATATATTC 1989
Qy 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
Db 1990 ACCTTTCTGCATCTCAACTCTGAAGTGATCACCGTCAGAAACCACTCCAGATTATT 2049
Qy 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
Db 2050 GTGAAGTGTGAATGGGACATAATTCTACGTGAGAGTAATATATCAATCAACAGAGATGAT 2109
Qy 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db 2110 GTAATACAAAGTCAAAATGCATGGGCAAAATATACACACAGATGGCTCTTTTGAATCC 2169
Qy 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
Db 2170 AATTCATTGAAAGACATATCTTGAATCACCATTATATGTGGATTTGAACCAACTCTT 2229
Qy 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
Db 2230 TTTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGGTTCCTTGATACCTGT 2289
Qy 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
Db 2290 AGAGCTCTCCACCTCTGACTTTGTCATCTCAACCTACGACCTAATCAAGAGTGGATGT 2349
Qy 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
Db 2350 AGTCAGATGAACACTTGAAGGTGTATCCCTTATTTGGACACTATGGGAGATTCAGTTT 2409
Qy 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
Db 2410 AATGCTTTAAATCTTCAAGAGATGAGCTCTGTGATCTGCAAGTAAAGTTTGATA 2469
Qy 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCAGTACACACAGCTCTGCTGCAATCAAGGTGTGTCTCCAGAAACGAA 2529
Qy 501 AspIleSerSerTyrLysTyrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
Db 2530 GACATTTCTTATATAATGAAACAGATTCATATAGAGACCATCTGCTGAAAGG 2589
Qy 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
Db 2590 GATCGAAGTCAAGTGGCAATTCAGGATTCAGCATGAACACATCGCGAAGAACTCCA 2649
Qy 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACACGCTTCAACAGGTGCATCTGTTTCTTCACTGGTTCAGTCTCAATGTGGTG 2709
Qy 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580

Db 2710 ACTGTAGCGACAATCACAGTGTAGGCACTTTGTAAATCAACGGCGCAGACTACAAATACCAG 2769
Qy 581 LysLeuGlnAsnTyr 585
Db 2770 AAGCTGCAGAACTAT 2784
RESULT 11
US-09-907-613-189
; Sequence 189, Application US/09907613
; Publication No. US20030027145A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,613
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20

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OM protein - nucleic search, using frame_plus_p2n model

Run on: February 18, 2004, 18:57:43 ; Search time 55.25 Seconds
(without alignments)
2561.312 Million cell updates/sec

Title: US-09-864-711-15

Perfect score: 1328

Sequence: 1 MCEPFGNDKAREPSVGGRW.....GILLRCFIGDKTLLILKAR 255

Scoring table: BLOSUM62

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Ygapop 10.0, Ygapext 0.5

Fgapop 6.0, Fgapext 7.0

Delop 6.0, Delext 7.0

Searched: 582709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

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Maximum Match 100%

Lasting first 45 summaries

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-LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=DIsum62 -TRANS=human40.cdi

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-DEV TIMEOUT=120 -WARN TIMEOUT=10 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOPOP=6

-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

Issued Patents NA:*

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- 2: /cgn2_6/ptodata/2/ina/5B COMB.seq:*
- 3: /cgn2_6/ptodata/2/ina/6A COMB.seq:*
- 4: /cgn2_6/ptodata/2/ina/6B COMB.seq:*
- 5: /cgn2_6/ptodata/2/ina/FACTUS COMB.seq:*
- 6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1328	100.0	1312	4	US-09-610-906-5
2	1328	100.0	1312	4	US-09-976-584-346
3	1328	100.0	1354	4	US-09-610-906-2
4	463	34.9	620	4	US-09-610-906-7
5	379	28.0	1015	4	US-09-372-422A-31
6	372.5	28.0	938	3	US-08-654-025-1
7	372.5	28.0	938	3	US-08-654-025-3
8	368.5	27.7	1081	4	US-09-372-422A-33
9	366	27.6	279	4	US-09-610-906-8
10	362	27.3	1158	4	US-09-372-422A-21
11	356.5	26.8	1153	4	US-09-372-448A-5
12	345	26.0	1193	4	US-09-372-422A-23

13	340.5	25.6	1100	4	US-09-372-422A-47	Sequence 47, Appl
14	323	24.3	1442	1	US-08-468-763-18	Sequence 18, Appl
15	323	24.3	1442	2	US-08-393-996A-18	Sequence 18, Appl
16	320	24.1	1408	1	US-08-447-554-3	Sequence 3, Appl
17	320	24.1	1408	1	US-08-448-160-3	Sequence 3, Appl
18	315.5	23.8	3426	1	US-08-234-939-1	Sequence 1, Appl
19	315.5	23.8	3426	1	US-08-558-865-1	Sequence 1, Appl
20	315.5	23.8	3426	3	US-08-654-025-6	Sequence 6, Appl
21	312	23.0	1302	4	US-09-372-422A-27	Sequence 27, Appl
22	305	23.0	1176	4	US-09-372-422A-25	Sequence 25, Appl
23	296.5	22.3	325	4	US-09-610-906-10	Sequence 10, Appl
24	282.5	21.3	1485	4	US-09-372-422A-39	Sequence 39, Appl
25	277.5	20.9	1087	4	US-09-372-422A-29	Sequence 29, Appl
26	271	20.4	1445	4	US-09-372-422A-1	Sequence 1, Appl
27	271	20.4	1445	4	US-09-372-448A-1	Sequence 1, Appl
28	270	20.3	960	4	US-09-489-039A-2828	Sequence 2828, Ap
29	270	20.3	1384	4	US-09-372-422A-17	Sequence 17, Appl
30	268	20.2	1204	4	US-09-372-422A-3	Sequence 3, Appl
31	267.5	20.1	1375	4	US-09-372-422A-37	Sequence 37, Appl
32	267	20.1	1333	4	US-09-372-422A-9	Sequence 9, Appl
33	265	20.0	1304	4	US-09-372-422A-15	Sequence 15, Appl
34	260.5	19.6	792	4	US-09-489-039A-4876	Sequence 4876, Ap
35	259.5	19.5	1217	4	US-09-372-422A-11	Sequence 11, Appl
36	258.5	19.5	1340	1	US-08-468-763-16	Sequence 16, Appl
37	258.5	19.5	1340	2	US-08-393-996A-16	Sequence 16, Appl
38	258	19.4	1242	4	US-09-372-448A-3	Sequence 3, Appl
39	257.5	19.4	939	4	US-09-252-991A-15282	Sequence 15282, A
40	257.5	19.4	1206	4	US-09-372-422A-13	Sequence 13, Appl
41	257.5	19.4	1629	4	US-09-252-991A-15397	Sequence 15397, A
42	257.5	19.4	2112	4	US-09-252-991A-15383	Sequence 15383, A
43	254	19.1	1454	4	US-09-372-422A-19	Sequence 19, Appl
44	250.5	18.9	1116	4	US-09-372-422A-41	Sequence 41, Appl
45	249.5	18.8	849	4	US-09-543-681A-4103	Sequence 4103, Ap

ALIGNMENTS

RESULT 1

US-09-610-906-5

Sequence 5, Application US/09610906

Patent No. 6566066

GENERAL INFORMATION:

APPLICANT: Walker, Michael G.

APPLICANT: Volkmut, Wayne

APPLICANT: Klingner, Tod M.

TITLE OF INVENTION: AQUAPORIN-8 VARIANT

FILE REFERENCE: PC-0012 CIP

CURRENT APPLICATION NUMBER: US/09/610,906

PRIOR FILING DATE: 2000-07-06

PRIOR APPLICATION NUMBER: 09/226,994

NUMBER OF SEQ ID NOS: 12

SOFTWARE: PERL Program

SEQ ID NO 5

LENGTH: 1312

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc feature

OTHER INFORMATION: Incyte ID No. 6566066 1804734CB1

PUBLICATION INFORMATION:

US-09-610-906-5

Alignment Scores:

Pred. No.: 1.74e-144

Score: 1328.00

Percent Similarity: 100.00%

Best Local Similarity: 100.00%

Query Match: 100.00%

Indels: 4

Gaps: 0

US-09-864-711-15 (1-255) x US-09-610-906-5 (1-1312)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyGlyArgTyr 20
Db 111 ATGTGTGAGCCTGAATTTGGCAATGACAAGCCAGGAGCCAGCGTGGGTGGCAGGTGG 170
QY 21 ArgValSerTyrTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
Db 171 CAGGTGTCTCTGTGTAGCAAGCGTTTGTGAGGCATGTCTGGTGGCAACTGTGGGTCTGTCT 230
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 231 CTCCTTCATCTTCATCGGTGCTCGGTGCTGATGAGATGGAGCGACACTGGGCTGTCTG 290
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
Db 291 CAGCGGGCCCTCGCCACGCGGTGGCTTTGGGGCTCGTGTATGGCAGCTCGTGGGAATATC 350
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAsn 100
Db 351 AGTGTGTGACACTTCAACCTCGGTGCTCGGTGCTGATGAGATGGAGCGCTCAAC 410
QY 101 LeuValMetLeuLeuProTyrTyrValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
Db 411 CTGGTGATGCTCTCCCGTACTCGGTCTCACAGCTGCTCGGGGGATGCTCGGGGCTGCC 470
QY 121 LeuAlaLeuAlaValSerProGluGluArgPheTyrAsnAlaSerGlyAlaAlaPheVal 140
Db 471 TTGGCCAGGCGGTGAGTCTCTGAGGAGAGGTTCCTGGAATGATCTGGGGCGGCTTTGTG 530
QY 141 ThrValGlnGluGlnGlyValAlaGlyAlaLeuValAlaGluIleIleLeuThrThr 160
Db 531 ACAGTCCAGGAGCAGGGGCGGTGGCGGTGGTGGCAGGATCATCTCGACGACG 590
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLysThrLysGlyProLeuAla 180
Db 591 CTGGTGGCCCTCGGTGTATGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 650
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
Db 651 CGGTCTCCATCGGTCTTGGCGTCAACCTGGATATCTGGTGGGGCGGCTGTCTTGGGA 710
QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTyrAsnPhe 220
Db 711 GGCTGCATGAATCCCGCCCGTCTTTGGACCTGGGTGGTGGTGGTGGTGGTGGTGGTGG 770
QY 221 HisTyrIleTyrTyrLeuGlyProLeuLeuAlaGlyLeuValGlyLeuLeuIleArg 240
Db 771 CACTGATCTACTGGTGGGCGGCTCTCTGGTGGGCGGCTCTCTGGTGGGCGGCTCTCTAGG 830
QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
Db 831 TGCTTCATTGGAGATGGGAAGACCCGCTCATCTCTGAAGGCTCGG 875

RESULT 2

US-09-976-594-346
; Sequence 346, Application US/09976594
; Patent No. 6673549

GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny

; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS

; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594

; PRIOR FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409

; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program

; SEQ ID NO 346
; LENGTH: 1312

; TYPE: DNA
; ORGANISM: Homo sapiens

; FEATURE:
; NAME/KEY: misc_feature

OTHER INFORMATION: Incyte ID No. 6673549 1804734CB1
US-09-976-594-346

Alignment Scores:

Pred. No.: 1,748-144 Length: 1312
Score: 1328.00 Matches: 255
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-976-594-346 (1-1312)

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Db 111 ATGTGTGAGCCTGAATTTGGCAATGACAAGCCAGGAGCCAGCGTGGGTGGCAGGTGG 170
QY 21 ArgValSerTyrTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
Db 171 CAGGTGTCTCTGTGTAGCAAGCGTTTGTGAGGCATGTCTGGTGGCAACTGTGGGTCTGTCT 230
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 231 CTCCTTCATCTTCATCGGTGCTCGGTGCTGATGAGATGGAGCGACACTGGGCTGTCTG 290
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
Db 291 CAGCGGGCCCTCGCCACGCGGTGGCTTTGGGGCTCGTGTATGGCAGCTCGTGGGAATATC 350
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAsn 100
Db 351 AGTGTGTGACACTTCAACCTCGGTGCTCGGTGCTGATGAGATGGAGCGCTCAAC 410
QY 101 LeuValMetLeuLeuProTyrTyrValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
Db 411 CTGGTGATGCTCTCCCGTACTCGGTCTCACAGCTGCTCGGGGGATGCTCGGGGCTGCC 470
QY 121 LeuAlaLeuAlaValSerProGluGluArgPheTyrAsnAlaSerGlyAlaAlaPheVal 140
Db 471 TTGGCCAGGCGGTGAGTCTCTGAGGAGAGGTTCCTGGAATGATCTGGGGCGGCTTTGTG 530
QY 141 ThrValGlnGluGlnGlyValAlaGlyAlaLeuValAlaGluIleIleLeuThrThr 160
Db 531 ACAGTCCAGGAGCAGGGGCGGTGGCGGTGGTGGCAGGATCATCTCGACGACG 590
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLysThrLysGlyProLeuAla 180
Db 591 CTGGTGGCCCTCGGTGTATGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 650
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
Db 651 CGGTCTCCATCGGTCTTGGCGTCAACCTGGATATCTGGTGGGGCGGCTGTCTTGGGA 710
QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTyrAsnPhe 220
Db 711 GGCTGCATGAATCCCGCCCGTCTTTGGACCTGGGTGGTGGTGGTGGTGGTGGTGGTGG 770
QY 221 HisTyrIleTyrTyrLeuGlyProLeuLeuAlaGlyLeuValGlyLeuLeuIleArg 240
Db 771 CACTGATCTACTGGTGGGCGGCTCTCTGGTGGGCGGCTCTCTGGTGGGCGGCTCTCTAGG 830
QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
Db 831 TGCTTCATTGGAGATGGGAAGACCCGCTCATCTCTGAAGGCTCGG 875

RESULT 3

US-09-610-906-2

; Sequence 2, Application US/09610906
; Patent No. 6566066

GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.

; APPLICANT: Volkmut, Wayne
; APPLICANT: Klinger, Tod M.

; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 2
; LENGTH: 1354
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 2774542CB1
; PUBLICATION INFORMATION:
US-09-610-906-2

Alignment Scores:
Pred. No.: 1,838-144 Length: 1354
Score: 1328.00 Matches: 255
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-610-906-2 (1-1354)

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DB 148 ATGTGTGAGCTGAATTTGGCAATACAAAGCCAGGAGCCGAGCGTGGGTGGAGGTGG 207
QY 21 ArgValSerTyrTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
DB 208 CAGTGTCTGTGTAGCAACGGTTTGTGAGCCATGCTGTGGTGGACTGTGGGTCTGTCT 267
QY 41 LeupheilePheileGlyCysLeuSerValleGluAsnGlyThrAspThrGlyLeuLeu 60
DB 268 CTTCTTCACTTTCATCGGTGCTGCGTGTGCTGATGAGATGGGACGACACACCTGGCTG 327
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValleAlaThrLeuGlyAsnIle 80
DB 328 CAGCGGGCCCTGGCCAGCGGTGGCTTTGGGGCTGTGATGGCAGCTGGGGAATATC 387
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAsn 100
DB 388 AGTGTGTGACACTTCAACCTGCGTGTCCCTGGCAGCCATGCTGATCGGAGGCTCAAC 447
QY 101 LeuValMetLeuLeuProTyrTyrValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
DB 448 CTGGTGTATGCTCTCCCGTACTGGGTCTCACAGCTGTCTCGGGGGGATGCTCGGGGCTGCC 507
QY 121 LeuAlaLysAlaValSerProGluGluArgPheTyrAsnAlaSerGlyAlaAlaPheVal 140
DB 508 TTGGCCAGCGGTGAGTCTGTGAGAGAGGTCTGTGAATGATCTGTGGGGCGCCCTTTGTG 567
QY 141 ThrValGlnGluGlnGlnValAlaGlyAlaLeuValAlaGluIleLeuLeuThr 160
DB 568 ACAGTCCAGGAGCAGGGGCGAGTGGCAGGGCGTGTGGTGGCAGAGATCATCTCCAGCAGC 627
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGlyThrLysGlyProLeuAla 180
DB 628 CTGCTGGCCCTGGCTGTATGATGGTGCCATCAATGAGAGACAAAGGGGCGCCCTCTGCC 687
QY 181 PropheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
DB 688 CGTTTCTCCATCGCTTTTGGCGTCAACCGTGGATATCTCTGGTGGGGCGCCCTGTCTGGA 747
QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValValAlaAsnHisTyrAsnPhe 220
DB 748 GGCTGCATGAATCCCGCCCGTGTCTTTGGACCTGCGGTGGTGGCCCAACCACTGGAACCTTC 807
QY 221 HisTyrPheTyrTyrLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240

DB 808 CACTGATCTACTGCTGGGCCCACTCTGCTGGCTGCTGCTGCTGCTGCTGCTGCTAGG 867
QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
DB 868 TGTTCATTTGAGATGGGAAGACCGCTCATCTCTGAAGGCTGG 912

RESULT 4

US-09-610-906-7
; Sequence 7, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmuth, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 620
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 701987401H1
; PUBLICATION INFORMATION:
US-09-610-906-7

Alignment Scores:
Pred. No.: 1,378-44 Length: 620
Score: 463.00 Matches: 88
Percent Similarity: 87.39% Conservative: 9
Best Local Similarity: 79.28% Mismatches: 14
Query Match: 34.86% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-610-906-7 (1-620)

QY 145 GlnGlyGlnValAlaGlyAlaLeuValAlaGluIleLeuLeuThrLeuLeuAlaLeu 164
DB 57 CAGCAGCAGTGGCAGAGCCCTGGGGCTAGAGATCGTTATGACGATGCTGTGCTATTG 116
QY 165 AlaValCysMetGlyAlaIleAsnGlyThrLysGlyProLeuAlaPropheSerIle 184
DB 117 GCTGTATGTATGGGTGCGGTCAATGAGAGCAATGGGTGCGGTAGCCCTCTCCATT 176
QY 185 GlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGlyGlyCysMetAsn 204
DB 177 GGTTCCTGCTCATTTGGATATCTGGCAGGTGGTGGGATCTCTGGAGCCTGCATGAC 236
QY 205 ProAlaArgAlaPheGlyProAlaValValAlaAsnHisTyrAsnPropheSerIle 224
DB 237 CTGCTCGTGGCTTTGGACCTGCTGTATGGTGGCTACTGGGACTTCCATTGGATCTAC 296
QY 225 TrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleArgCysPheIleGly 244
DB 297 TGGTGGGCCCACTCTGCTGGCTGGCTCTTTGGGACTGCTCATTAGGCTCTTCATTGGA 356
QY 245 AspGlyLysThrArgLeuIleLeuLysAlaArg 255
DB 357 GATGAGAAACCCGCTGATTTCTAAAGTCGAGG 389

RESULT 5

US-09-372-422A-31
; Sequence 31, Application US/09372422A
; Patent No. 6313375
; GENERAL INFORMATION:
; APPLICANT: Rudolf Jung

; APPLICANT: Francois Bazrieu
 ; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
 ; FILE REFERENCE: 0919
 ; CURRENT APPLICATION NUMBER: US/09/372,422A
 ; CURRENT FILING DATE: 1999-08-11
 ; PRIOR APPLICATION NUMBER: US 60/098,692
 ; PRIOR FILING DATE: 1998-08-31
 ; NUMBER OF SEQ ID NOS: 49
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 31
 ; LENGTH: 1015
 ; TYPE: DNA
 ; ORGANISM: Zea mays
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (77)...(863)
 US-09-372-422A-31

Alignment Scores:
 Pred. No.: 1,6e-34 Length: 1015
 Score: 379.00 Matches: 94
 Percent Similarity: 51.38% Conservative: 36
 Best Local Similarity: 37.15% Mismatches: 91
 Query Match: 28.54% Indels: 32
 DB: 6 Gaps: 6

US-09-864-711-15 (1-255) x US-09-372-422A-31 (1-1015)

QY 6 PheGlyAsnAspLysAlaArgGluProSerValGlyArgTrpArgValSerTrpTyr 25
 DB 65 TTGGGCGACATGATGACGCGGCGTGGACCGGCGCGGTTCACGCTGGGGCGAGC 124
 QY 26 GluArgPheValGlnPro-----CysLeuValGluLeuGlySerAla 40
 DB 125 GAGGAGCGCAGCAGCGCGGACCATCCGCGCGCGCATCTCCGAGTTCATCCGCCGCC 184
 QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGly----- 54
 DB 185 ATCTTGCTGTCGCCCGCGGATCGTCTCGTCGCGGAAGATGTACCAACGACATG 244
 QY 55 ---ThrAspThrGlyLeuGlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuVal 73
 DB 245 AGACGCGCGCGCGCGCTGTGGTGTGGCGCTGGCGCACGCGCTGGCGCTGGCGGCC 304
 QY 74 IleAlaThrLeuGlyAsnIleSerGlyGlyHisPheAsnProAlaValSerLeuAla 93
 DB 305 GTGGCAGTGGCGTCAACATCTCGGCGGCGACGATGACCCGCGCGGTACCTTCGCGCG 364
 QY 94 MetLeuIleGlyGlyLeuAsnLeuValMetLeuLeuProTyrTrpValSerGlnLeuLeu 113
 DB 365 CTCGTGCGCGCGCGCTCCCTCGTCCGCGCGGTCTTGTACTGGTGGCGCGAGTGTGT 424
 QY 114 GlyGlyMetLeuGlyAlaAlaLeuAlaLysAlaValSerProGluGluArg----- 130
 DB 425 GCGCGCGTCCGCCCGACGTGCTCTCGCGCTCGCCGCGGCGGCGATGCGCGCGCGGG 484
 QY 131 PheTrpAsnAlaSerGlyAlaAlaPheValThrValGlnGluGlnGlyValAlaGly 150
 DB 485 TTCGCGCTCGCGCGCGG-----GTGCGGG 508
 QY 151 -----AlaLeuValAlaGluIleLeuThrThrLeuLeuAlaLeuAlaValCys 167
 DB 509 GACTGGCACCGCGTGTGTGGAGCGCGTATGACGTTCGCGCTCATGTACGCTACTAC 568
 QY 168 MetGlyAlaIleAsnGluLysThr-----LysGlyProLeuAlaProPheSerIleGly 185
 DB 569 GCCACGGTGTACACCGGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 628
 QY 186 PheAlaValThrValAspIleLeuAlaGlyProValSerGlyGlyCysMetAsnPro 205
 DB 629 TTCGTGCTCGCGCGCGCGTGTGGCGGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 688
 QY 206 AlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsnPheHisTrpIleTyrTrp 225

DB 689 GCGCGGCTCTTCGCGCGCGCGCTCGTGGCGGTGGCGGCGGCGGCGGCGGCGG 748
 QY 226 LeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeu 238
 DB 749 CTGGGCGCTTTCCTCGGCGCGGCGGCTTCGAGGCGCTGGTG 787
 RESULT 6
 US-08-654-025-1
 ; Sequence 1, Application US/08654025
 ; Patent No. 6008436
 ; GENERAL INFORMATION:
 ; APPLICANT: Conkling, Mark A.
 ; APPLICANT: Opperman, Charles H.
 ; APPLICANT: Acedo, Gregoria N.
 ; APPLICANT: Song, Wen
 ; TITLE OF INVENTION: Nematode Resistant Transgenic Plants
 ; NUMBER OF SEQUENCES: 7
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Kenneth D. Sibley; Bell, Seltzer, Park and
 ; ADDRESSEE: Gibson
 ; STREET: Post Office Drawer 34009
 ; CITY: Charlotte
 ; STATE: No. 6008436th Carolina
 ; COUNTRY: U.S.A.
 ; ZIP: 28234
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/654,025
 ; FILING DATE:
 ; CLASSIFICATION: 800
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/332,658
 ; FILING DATE:
 ; APPLICATION NUMBER: US/08/007,998
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Sibley, Kenneth D.
 ; REGISTRATION NUMBER: 31,665
 ; REFERENCE/DOCKET NUMBER: 5051-201
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 919-881-3140
 ; TELEFAX: 919-881-3175
 ; TELEX: 575102
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 938 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 47..799
 ; NAME/KEY: mat_peptide
 ; LOCATION: 47..796
 US-08-654-025-1

Alignment Scores:
 Pred. No.: 8.1e-34 Length: 938
 Score: 372.50 Matches: 95
 Percent Similarity: 52.85% Conservative: 35
 Best Local Similarity: 38.62% Mismatches: 85
 Query Match: 28.05% Indels: 31
 DB: 3 Gaps: 7

US-09-864-711-15 (1-255) x US-08-654-025-1 (1-938)


```
Db 436 CTGGTCTACACTGTTTATGCAACAGCAGCAGCCCTAAAAAGGGCTCACTTGGACCACTT 377
Qy 180 AlaProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSer 199
Db 376 GCACCACTTGCATTGGGTTTATGTTGGGGCAACATTTTGGCAGCTGGTCCATTTCAGT 317
Qy 200 GlyGlyCysMetAsnProAlaAlaPheGlyProAlaValAlaAlaAsnHisTrpAsn 219
Db 316 GGTGGGTCAATGAACCCAGCTCGATCATTTGGGCCAGCTGTGTTTGCAGGAGACTTTTCT 257
Qy 220 PheHisTrpIleTyrrTrpLeuGlyProLeuAlaGlyLeuValGlyLeuLeu 239
Db 256 CAATCTGATCATTTGGGCCCGCCCACTCATTTGGTGGAGATTAGCTGGGGTTATTATTAT 197
Qy 240 ---ArgCysPheIleGly 244
Db 196 GGAGATGTCTTTATTGGA 179

RESULT 8
US-09-372-422A-33
; Sequence 33, Application US/09372422A
; Patent No. 6313375
; GENERAL INFORMATION:
; APPLICANT: Francois Barrieu
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; PRIOR FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 33
; LENGTH: 1081
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (37)....(799)
US-09-372-422A-33

Alignment Scores:
Pred. No.: 2,91e-33 Length: 1081
Score: 368.50 Matches: 95
Percent Similarity: 52.34% Conservatives: 33
Best Local Similarity: 37.11% Mismatches: 93
Query Match: 27.75% Indels: 29
DB: 4 Gaps: 10

US-09-864-711-15 (1-255) x US-09-372-422A-33 (1-1081)
Qy 7 GlyAsnAspIleAlaArgGluPro-----SerValGlyGlyArgTrpArgVal 22
Db 22 GGACGAGACAAG---AGATGCTGTGACGAGATCGCGTGGTGGTCTCCGGCGAGCTG 78
Qy 23 SerTrpTyrrGluArgPheValGlnProCysLeuValGluLeuGlySerAlaLeuPhe 42
Db 79 TCC---CACCCGACACCGCCAGCGCGCGTCCGAGTTTCATCTCCACGCTCATCTTC 135
Qy 43 IlePheIleGly-----CysLeuSerValIleGluAsnGly----- 54
Db 136 GTCTTCGCGCGCTCAGATCGGGGATGGCTTTTCAGTAAGCTCACGAGCGGTGGCGCC 195
Qy 55 ThrAspThrGlyLeuLeuGlnProAlaLeuAlaHisGlyLeuAlaLeuValIle 74
Db 196 ACTCTGCGCGCTCATCGCGGTCTCTGGGCGACGCGCTCGCTCTTGTGGCGGCTC 255
Qy 75 AlaThrLeuGlyAsnIleSerGlyGlyHisPheAsnProAlaValSerLeuAlaMet 94
Db 256 TCGTGGGTGCCAACATCTCCGCGCGCCACGTCGTAACCCCTGCGCTGACCTTGGCGCTTT 315
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Qy 95 LeuIleGlyLeuAsnLeuValMetLeuLeuProTyrrTrpValSerGlnLeuLeuGly 114
Db 316 GTGGCGGCAACATCAGCTCTCTCAAGCCCTGGTCTACTGGTGGCCAGCTCTCTGGGC 375
Qy 115 GlyMetLeuGlyAlaAlaLeuAlaLysAlaValSerProGluGluArgPheTrpAsnAla 134
Db 376 TCCGTGCTGCGCTCGCTCTCTCTCAAGATCGCACG----- 411
Qy 135 SerGlyAlaAlaPheValThrValGlnGlnGlyGlnValAla-----GlyAlaLeu 152
Db 412 GCGCGCGCGCGCTTGGCGCTTCTCGCTGTCGGGGCGCTCGGGGCCATGAACGCCGTG 471
Qy 153 ValAlaGluIleLeuThrThrLeuLeuAlaLeuAlaValCysMetGlyAlaIleAsn 172
Db 472 GTCTCGAGATGTCATGACCTTTCGCGCTCGGTGTACACGCTGTACGCCACGCGCTGGAC 531
Qy 173 GluLys-----ThrLysGlyProLeuAlaProPheSerIleGlyPheAlaValThrVal 190
Db 532 CCCAAGAGGGGACCTCGCGCTCATCGCGCCCATCGCATCGGTTTCATCTCGTCGCGCC 591
Qy 191 AspIleLeuAlaGlyGlyProValSerGlyGlyCysMetAsnProAlaArgAlaPheGly 210
Db 592 AACATCTGCGCGCGCGCTTTCGACGCGCGCTCATGAACCCGCGCTCTCTTCGCGC 651
Qy 211 ProAlaValAlaAlaAsnHisTrpAsnPheHisTrpIleTyrrTrpLeuGlyProLeuLeu 230
Db 652 CCGCGCTGCTCATCGCGCTTTCGAGAACCACTCGGTGTACTGGTTCGCGCCA---CTC 708
Qy 231 AlaGlyLeuValGlyLeuLeuIleArg-----CysPheIleGly 244
Db 709 GCGGCGCGCGCCATCGCGCGCTCGTCTACGACATCATCTTCATCGGG 756

RESULT 9
US-09-610-906-8
; Sequence 8, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmath, Wayne
; APPLICANT: Klinger, Tod W.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/236,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 279
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 70162441LHI
; PUBLICATION INFORMATION:
US-09-610-906-8

Alignment Scores:
Pred. No.: 7,55e-34 Length: 279
Score: 366.00 Matches: 70
Percent Similarity: 84.78% Conservatives: 8
Best Local Similarity: 76.09% Mismatches: 14
Query Match: 27.56% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-610-906-8 (1-279)
Qy 128 GluGluArgPheTrpAsnAlaSerGlyAlaAlaPheValThrValGlnGlnGlyGln 147
Db 4 GAGGAAGGTCTTGAATCGTCTGGGCGAGCGCTTTGCCATAGTCAGAGCAGAGCAG 63
Qy 148 ValAlaGlyAlaLeuValAlaGluIleLeuThrThrLeuLeuAlaLeuAlaValCys 167
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Db 64 GTGGCAGAACCCCTGGGGGTAGAGATCGTTATGACGATCGTGTGGTATTGGCTGTGTGT 123
QY 168 MetGlyAlaIleAsnGluLysThrLysGlyProLeuAlaProPheSerIleGlyPheAla 187
Db 124 ATGGGTGGCGTCAATGAGAAGACCATGGTCCCTAGCCCATCTCCATTGGTTCTCT 183
QY 188 ValThrValAspIleIleuAlaGlyProValSerGlyGlyCysMetAsnProAlaArg 207
Db 184 GTCATTGGATATCTGGCAAGTGGTGGGATCTCTGGAGCGTCGATGAACCCCTGCTCGT 243
QY 208 AlaPheGlyProAlaValAlaAlaAsnHisTrpAsn 219
Db 244 GCCTTTGACCTGCTGTGATGCTGGCTACTGGGAC 279

RESULT 10
US-09-372-422A-21
; Sequence 21, Application US/09372422A
; Patent No. 6313375
; GENERAL INFORMATION:
; APPLICANT: Francois Barrieu
; APPLICANT: Rudolf Jung
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; CURRENT APPLICATION NUMBER: US/09/372,422A
; CURRENT FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 21
; LENGTH: 1158
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (250)...(997)
US-09-372-422A-21

Alignment Scores:
Pred. No.: 1,838-32 Length: 1158
Score: 262.00 Matches: 94
Percent Similarity: 53.25% Conservative: 37
Best Local Similarity: 38.21% Mismatches: 83
Query Match: 27.26% Indels: 32
DB: 4 Gaps: 8

US-09-864-711-15 (1-255) x US-09-372-422A-21 (1-1158)
QY 15 SerValGlyGlyArgTrpArgValSerTrpTyrGluArgPheValGlnProCysLeuVal 34
Db 271 AGCGTCGGCGACTCCTTCAGCGCCACCTCCATCAAGGCGCTACGTG-----GCC 318
QY 35 GluLeuLeuGlySerAlaLeuPheIlePheIleGlyCysLeuSerValIleGluAsnGly 54
Db 319 GAGTTCATCGCCACCTCTCTTCCTTCGCCGGCTGCTCCGCCATCGCTACGGG 378
QY 55 -----ThrAspThrGlyLeuLeuGlnPro-----AlaLeuAlaHis 66
Db 379 CAACGTGACGAATGGCGGCGCTGACCCGCGGCGCTGGTGGCGATCGCATCGGCAC 438
QY 57 GlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIleSerGlyGlyHisPheAsn 86
Db 439 CGCTGGCGCTGTTCGTGGCGGTGTTCGTTCGCGCGCAACATCTCGGCGCGCCACTGAAC 498
QY 87 ProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsnLeuValMetLeuLeuPro 106
Db 499 CGGCGGTGACGTCGGGCTGGCGGTGGCGGCACATCACCATCCTGACGGCGCTTC 558
QY 107 TyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAlaLeuAlaValSer 126
Db 559 TACTGGGTGGCCAGCTGCTGGGCGCCACCGTGGCGTCTCTCTCGGTTTCGTCAAC 618
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QY 127 ProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheValThrValGlnGlnGly 146
Db 619 -----CACGCAAGGCCATCCCGACG-----CAC 642
QY 147 GlnValAlaGly-----AlaLeuValAlaGluIleIleLeuThrThrLeu 161
Db 643 CGCGTCGGGGCATCAGCGAGCTGGAAGCGTGTGTTGCGAGGTGTCATCACCTTCGGG 702
QY 162 LeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLys-----ThrLysGlyProLeu 179
Db 703 CTGCTACACCGTGTACGCCACCGCGCGCCCAAGAGGGCTCGCTCGGCACCATC 762
QY 180 AlaProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSer 199
Db 763 GCGCCCATCGCCATCGGCTTCATCGTCGGCGCCCAACATCTCTCGCGCGGCGCTTCAGC 822
QY 200 GlyGlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsn 219
Db 823 GCGGCTCCATGAACCCCGCGCTCTCTCGCGCGCGCTCGCGCGGCGGACTTCGCC 882
QY 220 PheHisTrpIleTyrTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeu 239
Db 883 GGAACCTGGTCTACTGGTTCGGCGCGCTCGTTCGGCGCGCGCTCGCTCGGCTCGCTC 942
QY 240 ---ArgCysPheIleGly 244
Db 943 GCGGAGCTTTCATTGGC 960

RESULT 11
US-09-372-448A-5
; Sequence 5, Application US/09372448A
; Patent No. 6313376
; GENERAL INFORMATION:
; APPLICANT: Rudolf Jung
; APPLICANT: Francois Chaumont
; APPLICANT: Maarten Christeels
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 1172
; CURRENT APPLICATION NUMBER: US/09/372,448A
; CURRENT FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/096,627
; PRIOR FILING DATE: 1998-08-14
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 1153
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (116)...(863)
US-09-372-448A-5

Alignment Scores:
Pred. No.: 7,928-32 Length: 1153
Score: 356.50 Matches: 89
Percent Similarity: 52.44% Conservative: 40
Best Local Similarity: 36.18% Mismatches: 91
Query Match: 26.84% Indels: 27
DB: 4 Gaps: 7

US-09-864-711-15 (1-255) x US-09-372-448A-5 (1-1153)
QY 11 AlaArgGluPro-----SerValGlyGlyArgTrp-----ArgValSer 23
Db 99 GCTAGAGCGCGTGAATGCGGATCATAGATCGCCCTGGGAGCCACCGAG-GTG 157
QY 24 TrpTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAlaLeuPheIle 43
Db 158 TACCACCGCGCGCGCTCAGGCGCGTTCGCTGAGTTCATCTCCACCTCATCTTCGTC 217
QY 44 PheIleGly-----CysLeuSerValIleGluAsnGly-----Thr 55
```


; ORGANISM: Zea mays

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (94)...(835)

US-09-372-422A-47

Alignment Scores:

Pred. No.: 5,31e-30 Length: 1100
Score: 340.50 Matches: 93
Percent Similarity: 52.57% Conservative: 40
Best Local Similarity: 36.76% Mismatches: 91
Query Match: 25.64% Indels: 31
DB: 4 Gaps: 7

US-09-864-711-15, (1-255) x US-09-372-422A-47 (1-1100)

QY 7 GlyAsnAspLysAlaGluProSerValGlyGly-----ArgTirArgValSerTirp 24
Db 50 GGCAGGAATACCGTCAGAGGAGTGGGAGAGGGGGGAAAAAAGATGGTGAAGCTCGCAT 109
QY 25 TyrGluArgPheVal-----GlnProCysLeuValGluLeu 36
Db 110 TTGAAGCTTTCGCGACTTTTGGAGCGCGCGTGGCTCAAGCCCTAT-GTGGCCGAGTTC 168
QY 37 LeuGlySerAlaLeuPheIleGlyCysLeuSerValIleGluAsnGly----- 54
Db 169 ATTGCCACGCTGCTTCGTTGTCGCGCGGTCGGGTCCGCTACTGCTCGCAATTG 228
QY 55 ThrAspThrGlyLeuLeuGlnPro-----AlaLeuAlaHisGlyLeu 68
Db 229 AGAAGGGCGGCTCTGGACCGCGCGCTGGTGGCCATCGCCATCGCCATCGTTC 288
QY 69 AlaLeuGlyLeuValIleAlaThrLeuGlyAsnIleSerGlyGlyHisPheAsnProAla 88
Db 289 GGCCTCTTCGTCGGCTCTCCATGGCGGCAACATCTCGGCGGCACTGAACCCGCC 348
QY 89 ValSerLeuAlaAlaMetLeuLeuGlyLeu-AsnLeuValMetLeuLeuProTyrTr 108
Db 349 GTACCTTC---GGCTCCCGCTCGGCGGCACATCACATCTCCACCGGCATCTCTACTG 405
QY 108 pValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAlaLeuAlaLysAlaValSerProGl 128
Db 406 GGTTCGCCAGCTCTCGGCGCTTCGTCGGCGTTCCTTCGCGAGTACGTCAC-CCACG 464
QY 128 uGluArgPheThrAsnAlaSerGlyAlaAlaPheValThrValGlnGluGlnGlyGlnVa 148
Db 465 GACAGCTATCCGACGCGCGCTCCGATCAGCGAGATCGAG----- 510
QY 148 lAlaGlyAlaLeuValAlaGluIleLeuThrThrLeuLeuAlaLeuAlaValCysMe 168
Db 511 -----GGCGTGGTGATGGAGATCGTACCTTCGCGTGGTGTACACCGGTACGC 563
QY 168 tGlyAlaIleAsnGluLys-----ThrLysGlyProLeuAlaProPheSerIleGlyPh 186
Db 564 CACCGCGCGCGAGGAGGAGGTCCTCGGCGACCATCGCGCCATCGCGCCATCGCGCTT 623
QY 186 eAlaValThrValAspIleLeuAlaGlyProValSerGlyGlyCysMetAsnProAl 206
Db 624 CATCGTCGCGCGCAACATCTCGCGCGCGCGCTTCAGCGGCGCTCCATGAACCCGCG 683
QY 206 aArgAlaPheGlyProAlaValAlaAsnHisThrPheAsnHisThrIleTyrTrpLe 226
Db 684 CCGTCTTCGCGCGCGCGCGTGGCGCGGTAACTTCGCGCGCACTGGGTGTACTGGGT 743
QY 226 uGlyProLeuAlaGlyLeuLeuValGlyLeuLeu 238
Db 744 CGGCGCGCTCGTCGCGGTGGCTCGCGGGGCTCGTC 780

RESULT 14

US-08-468-763-18

; Sequence 18, Application US/08468763

; Patent No. 5741671

; GENERAL INFORMATION:

APPLICANT: Agre, Peter C.
TITLE OF INVENTION: Isolation, Cloning and Expression of
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESS: Banner & Allegretti
STREET: 1001 G Street, N.W.
CITY: Washington, D.C.
STATE: D.C.
COUNTRY: US
ZIP: 20001

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/468,763

FILING DATE: 06-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/393,996

FILING DATE: 24-FEB-1995

ATTORNEY/AGENT INFORMATION:

NAME: Posorske, Laurence H.

REGISTRATION NUMBER: 34,698

REFERENCE/DOCKET NUMBER: 1107,48633

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202 508-9100

TELEFAX: 202 508-9299

INFORMATION FOR SEQ ID NO: 18:

SEQUENCE CHARACTERISTICS:

LENGTH: 1442 base pairs

TYPE: nucleic acid

STRANDEDNESS: unknown

TOPOLOGY: unknown

MOLECULE TYPE: cDNA

FEATURE:

NAME/KEY: CDS

LOCATION: 110...904

US-08-468-763-18

Alignment Scores:

Pred. No.: 8,53e-28 Length: 1442

Score: 323.00 Matches: 77

Percent Similarity: 56.94% Conservative: 46

Best Local Similarity: 35.65% Mismatches: 83

Query Match: 24.32% Indels: 10

DB: 1 Gaps: 6

US-09-864-711-15 (1-255) x US-08-468-763-18 (1-1442)

QY 28 PheValGlnProCysLeuValGluLeuLeuGlySerAlaLeuPheIlePheIleGlyCys 47
Db 137 TTCTTCAAGCGCGGTGTTCGACAGATTCTCGGACCCATCTCGCTCTCTTTGGCCTG 196
QY 48 LeuSerValIleGlu-----AsnGlyThrAspThrGlyLeuLeuGlnProAlaLeuAla 65
Db 197 GGTCTAGCACTCAAGTGGCCCTCGGCTCGCCACC---ATTCTGAAATCTCAATTGCC 253
QY 66 HisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIleSerGlyGlyHisPhe 85
Db 254 TTTGGCGTGGCCATAGGTACCTTAGCCCAAGCTCTGGGACCTCTGAGTGGTGGCCATC 313
QY 86 AsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsnLeuValMetLeuLeu 105
Db 314 ATTCAGCCATTACTCTGGCCCTCTTATAGAAACAGATCTCGCTGCTCGGACTGTC 373
QY 106 ProTyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAlaLeuAlaLysAlaVal 125
Db 374 TTCTAGCTGGCAGCCAGCTGTGTGGCGCATTTGTTGGGCGGCGCATCTCTGTTGGCTG 433
QY 126 SerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheValThrValGlnGluGln 145

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Qy 165 AlaValCysMetGlyAlaIleAsnGluLysThrLysGlyProLeuAlaPro---PheSer 183
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Qy 184 IleGlyPheAlaValThrValaPheIleLeuAlaGlyGlyProValSerGlyCysMet 203
Db 602 ATTGGCTTGCTGTACACTGGGCCATCTGTGGGATCTATTCCCGGCTGTTCCTCATG 661
Qy 204 AsnProAlaArgAlaPheGlyProAlaValAlaAsnHisTrpAsn---PheHisTrp 222
Db 662 AACCCAGCCGATCTTTCGGCCCTGCGGTGGTCATGAACCGGTTCAGCCCTCTCACTGG 721
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RESULT 15

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US-08-393-996A-18
: Sequence 18, Application US/08393996A
: Patent No. 5858702
: GENERAL INFORMATION:
: APPLICANT: Agre, Peter C.
: TITLE OF INVENTION: Isolation, Cloning and Expression of
: TITLE OF INVENTION: Transmembrane Water Channel Proteins
: NUMBER OF SEQUENCES: 19
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Banner & Allegretti
: STREET: 1001 G Street, N.W.
: CITY: Washington, D.C.
: STATE: D.C.
: COUNTRY: US
: ZIP: 20001
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent In Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/393,996A
: FILING DATE: 24-FEB-1995
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: Posorske, Laurence H.
: REGISTRATION NUMBER: 34,698
: REFERENCE/DOCKET NUMBER: 1107.48633
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202 508-9100
: TELEFAX: 202 508-9299
: INFORMATION FOR SEQ ID NO: 18:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1442 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: unknown
: TOPOLOGY: unknown
: MOLECULE TYPE: cDNA
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 110..904
US-08-393-996A-18

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US-09-864-711-15 (1-255) x US-08-393-996A-18 (1-1442)
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Qy 66 HisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIleSerGlyCysHisPhe 85
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Db 602 ATTGGCTTGCTGTCACTGCGCCATCTTGTGGGATCTACTTCAACGGCTGTTCCTCATG 661
Qy 204 AsnProAlaArgAlaPheGlyProAlaValAlaAsnHisTrpAsn---PheHisTrp 222
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Search completed: February 18, 2004, 19:13:45
Job time : 61.25 secs

GenCore version 5.1.6
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Run on: February 19, 2004, 19:03:41 ; Search time 263.804 Seconds
(without alignments)
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Title: US-09-864-711-15

Perfect score: 1328

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Delop 6.0, Delext 7.0

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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1328	100.0	1312	14	US-10-396-943-5	Sequence 5, Appl
3	1328	100.0	1354	9	US-09-864-711-8	Sequence 8, Appl
4	1328	100.0	1354	14	US-10-396-943-2	Sequence 2, Appl
5	1324	99.7	1309	15	US-10-295-027-459	Sequence 459, App
6	1324	99.7	1314	14	US-10-216-408-15	Sequence 16, Appl
7	1324	99.7	1388	14	US-10-023-896-11	Sequence 11, Appl
8	1324	99.7	1410	9	US-09-925-299-67	Sequence 67, Appl
9	1324	99.7	1410	10	US-09-925-299-67	Sequence 67, Appl
10	1324	99.7	1410	14	US-10-023-896-40	Sequence 40, Appl
11	1324	99.7	1410	14	US-10-106-698-245	Sequence 245, App
12	1324	99.7	1712	14	US-10-106-698-1986	Sequence 1986, Ap
13	1302	98.0	1324	14	US-10-158-646-43	Sequence 49, Appl
14	524	39.5	318	10	US-09-803-719-2361	Sequence 2361, Ap
15	501	37.7	321	10	US-09-803-719-2362	Sequence 2362, Ap
16	466	35.1	314	10	US-09-803-719-2328	Sequence 2328, Ap
17	463	34.9	620	14	US-10-396-943-7	Sequence 7, Appl
18	455	34.3	269	14	US-10-216-408-6	Sequence 6, Appl
19	447	33.7	244	14	US-10-216-408-6	Sequence 6, Appl
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21	422	31.8	244	14	US-10-216-408-3	Sequence 3, Appl
22	418	31.5	257	14	US-10-216-408-4	Sequence 4, Appl
23	387	29.1	1235	12	US-10-424-599-71274	Sequence 71274, A
24	386	29.1	1035	9	US-09-770-445-183	Sequence 183, App
25	374	28.2	935	9	US-09-770-445-373	Sequence 373, App
26	372.5	28.0	759	9	US-09-887-578-810	Sequence 810, App
27	372.5	28.0	1051	15	US-10-260-238-4179	Sequence 4179, Ap
28	372.5	28.0	1202	12	US-10-424-599-45453	Sequence 45453, A
29	372	28.0	756	9	US-09-938-842A-2617	Sequence 2617, Ap
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33	367.5	27.7	753	9	US-09-938-842A-482	Sequence 482, App
34	367.5	27.7	753	11	US-09-938-842A-482	Sequence 482, App
35	367.5	27.7	979	9	US-09-770-445-275	Sequence 275, App
36	366	27.6	279	14	US-10-396-943-8	Sequence 8, Appl
37	366	27.6	1008	15	US-10-310-154-238	Sequence 238, App
38	364	27.4	224	14	US-10-216-408-5	Sequence 5, Appl
39	362	27.3	1238	15	US-10-409-701-14	Sequence 14, Appl
40	361.5	27.2	753	9	US-09-938-842A-2633	Sequence 2633, Ap
41	361.5	27.2	753	11	US-09-938-842A-2633	Sequence 2633, Ap
42	359	27.0	847	9	US-09-887-578-442	Sequence 442, App
43	357.5	26.9	1140	12	US-10-424-599-142369	Sequence 142369, A
44	357	26.9	750	15	US-10-260-238-4748	Sequence 4748, Ap
45	357	26.9	750	15	US-10-260-238-4749	Sequence 4749, Ap

ALIGNMENTS

RESULT 1
US-09-981-353-62
; Sequence 62, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 62
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1804734CB1
US-09-981-353-62

Alignment Scores: 1.3e-144 Length: 1312
Pred. No.: 1312

Score: 1328.00 Matches: 255
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-864-711-15 (1-255) x US-09-981-353-62 (1-1312)

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DB 171 CGAGTGTCTGTGTAGAACGGTTTGTGAGCCATCTCTGGTCGAACTGCTGGGCTCTGCT 230
QY 41 LeupheillePheilleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
DB 231 CTCTTCATCTTCATCGGTGCGTGTGCGTCTATTGAGATGGACGACACTGGGCTGCTG 290
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyValIleAlaThrLeuGlyAsnIle 80
DB 291 CAGCGGGCCCTGGCCACGGGTGGCTTTGGGCGTCTGATGGCACGCTGGGGAATATC 350
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAsn 100
DB 351 AGTGTGGACACTTCAACCCCTGCGGTGCTGCGAGCCATGCTGATCGGAGGCTTCAAC 410
QY 101 LeuValMetLeuLeuProTyrTrrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
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QY 121 LeuAlaLysAlaValSerProGluLysArgPheTrrpAsnAlaSerGlyAlaAlaPheVal 140
DB 471 TTGGCCAGGCGGTGAGTCTGAGAGAGGTTCTGGAATGATCTTGGGGCGGCTTTGTG 530
QY 141 ThrValGlnGluGlnGlyValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
DB 531 ACAGTCCAGGAGCAGGGCAGGTGGCAGGGCGGTGGTGGCAGAGATCATCTGACGACG 590
QY 161 LeuLeuAlaLeuAlaValCysMetGlyValIleAsnGlyLysThrLysGlyProLeuAla 180
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QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
DB 711 GGCTGCATGAATCCCGCCGCTGCTTTGGACCTGCGGTGGGCCAACCACTGGAATTC 770
QY 221 HistTrrpTrrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuIleArg 240
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RESULT 2

US-10-396-943-5
; Sequence 5, Application US/10396943
; Publication NO. US20030158085A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmueth, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/10/396,943
; PRIOR FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US/09/610,906

US-09-864-711-15 (1-255) x US-10-396-943-5 (1-1312)
; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 5
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030158085A1 1804734CB1
; PUBLICATION INFORMATION:
US-10-396-943-5

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Query Match:	100.00%	Indels:	0
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US-09-864-711-15 (1-255) x US-10-396-943-5 (1-1312)

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QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValValAlaAsnHisTrrpAsnPhe 220
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; Sequence 8, Application US/09864711
; Patent No. US20020077309A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR PANCREATIC DISORDERS
; FILE REFERENCE: PB-0008-1 CIP
; CURRENT APPLICATION NUMBER: US/09/864,711
; PRIORITY FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 1354
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: 2774542CBI
US-09-864-711-8

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DB 688 CCGTTCCTCAATCGGCTTTGGCGTCACGCTGGATATCTCGCTGGGGCCCTGTGTCTGGA 747
QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValValAlaAsnHisTrpAsnPhe 220
DB 748 GGTGTCATGAAATCCGCGCCGCTGCTTTGGACCTGCGGTGGTGGCCACCACTGGAACTTC 807
QY 221 HisTrpIleTyTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240
DB 808 CACTGGATCTACTGGCTGGGCCCACTCTCGCTGGCTGCTCTGTGTGCACTGCTCATAGG 867
QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
DB 868 TGCTTCAATGGAGATGGAGAGACCCGCTCATCTCTGAAGGCTCGG 912

RESULT 4

US-10-396-943-2
; Sequence 2, Application US/10396943
; Publication No. US20030158085A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/10/396,943
; PRIORITY FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US/09/610,906
; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 2
; LENGTH: 1354
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Inocyte ID No. US20030158085A1 2774542CBI
; PUBLICATION INFORMATION:
US-10-396-943-2

Alignment Scores:
Pred. No.: 1,356-144 Length: 1354
Score: 1328.00 Matches: 255
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-396-943-2 (1-1354)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyArgTrp 20
DB 148 ATGTGTGAGCCTGAATTTGGCAATGACAGGCGCAGGAGCCGAGCGTGGTGGCAGGTGG 207
QY 21 ArgValSerTrpTyrgluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
DB 208 CAGAGTGTCTGTGACGAGCGTTTGTGACGCAATGCTGTGTCGAACTGCTGGGCTCTGCT 267
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
DB 268 CTCTTCATCTTCATCGGGTGCCTGTGCGGTCAATGAGAGCGGAGCGGAGCGTGGGCTCTGCT 327
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
DB 328 CAGCGGCGCCTGGCCACGCGGCTTGTGCGGCTCTGTCGAGCATGCTGTGTCGAACTGCTGGGCTCTGCT 387
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAsn 100
DB 388 AGTGTGGACACTTCAACCTCGGTGCTCCCTGGCAGCATGCTGATCGAGGCTCTCAAC 447

QY 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
Db 448 CTGGTGATGCTCTCCCGTACTGGGTCTCACAGTGTCTCGGGGGATCTCGGGGCTGCC 507
QY 121 LeuAlaLysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
Db 508 TTGGCCAAAGCGGTGAGTCTCAGAGAGAGTTCTGGAATGCATCTGGGGCGGCTTTGTG 567
QY 141 ThrValGlnGluGlnGlnValAlaGlyAlaLeuValAlaGluAlaLeuThrThr 160
Db 568 ACAGTCCAGAGCAGGGGAGGTGGCAGGGGGTTGTGGCAGAGATCATCTGACGAGC 627
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaAlaLeuAsnGluLysThrLysGlyProLeuAla 180
Db 628 CTGCTGGCCCTGGCTGTATGCATGGGTGCCATCAATGAAAGACAAAGGGGCTCTGGCC 687
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
Db 688 CCGTCTCCATCGCTTTGCCGTACCGTGGATATCTCGCTGGGGGCTGTGTCTGA 747
QY 201 GlyCysMetAsnProAlaAlaGlyPheGlyProAlaValAlaAsnHisTrpAsnPhe 220
Db 748 GGCTGCATGAATCCCGCCGCTGCTTTGGACCTGGCGTGGTGGCCCAACCACTGGAACTTC 807
QY 221 HisTrpIleTyrTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240
Db 808 CACTGGATCTATGGCTGGGCCCATCTCTGGCTGGCTGCTTTGTTGGACTGCTCATTAGG 867
QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
Db 868 TGCTTCATGGAGATGGGAAGACCCGCTCATCTCTGAAGGCTCGG 912
RESULT 5
US-10-295-027-459
; Sequence 459, Application US/10295027
; Publication No. US2003023250A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; PRIOR FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 459
; LENGTH: 1309
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-295-027-459
Alignment Scores: Pred. No.: 3-77e-144 Length: 1309
Score: 1324.00 Matches: 254
Percent Similarity: 98.61% Conservatives: 0
Best Local Similarity: 99.61% Mismatches: 1
Query Match: 99.70% Indels: 0
DB: Gaps: 0
US-09-864-711-15 (1-255) x US-10-295-027-459 (1-1309)
QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyGlyArgTrp 20
Db 103 ATGTGTGAGCCCTGAATTTGGCAATGACAGGCCAGGAGCCGAGCGTGGGTGGCAGGTGG 162
QY 21 ArgValSerTrpTyrGluArgPheValGlnProCysLeuValGlnLeuLeuGlySerAla 40
Db 163 CGAGTGTCTCTGTACGACGCTTTGTGCAGCATCTCTGGTCGACTCTGGGCTCTGCT 222
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 223 CTCTTCATCTTCATCGGGTGCCTGTCTGTCATTTGAGAAATGGACGACACTGGGCTGCTG 282
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
Db 283 CAGCCGGCCCTGGCCACGGGCTGGCTTTGGGGCTCTGATTCACACGCTGGGGAATATC 342
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAsn 100
Db 343 AGTGTGTGACACTTCAACCTCGCGTGTCTCTGGCAGCATCTCTGATCGAGGCTCAAC 402
QY 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
Db 403 CTGGTGTATGCTCTCTCCGTTCTCTGAGTCTCTCAGCTGTCTGGGGGGATGCTGGGGCTGCC 462
QY 121 LeuAlaLysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
Db 463 TTGGCCAAAGTGTGAGTCTCTGAGCAGAGGTTCTGGAATGCATCTGGGGGCTCTTGTG 522
QY 141 ThrValGlnGluGlnGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
Db 523 ACAGTCCAGAGCAGGGGAGGTGGCAGGGGGTGGTGGCAGAGATCATCTCTGACGAGC 582
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaAlaLeuAsnGluLysThrLysGlyProLeuAla 180
Db 583 CTGCTGGCCCTGGCTGTATGCATGGGTGCCATCAATGAAAGACAAAGGGGCTCTGGCC 642
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
Db 643 CCGTTCCTCATCGGCTTTGCCGTACCGTGGATATCTCTGGCTGGGGGCTCTGTCTGA 702
QY 201 GlyCysMetAsnProAlaAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsnPhe 220
Db 703 GGCTGCATGAATCCCGCCGCTGCTTTGGACCTGGGTGGTGGTGGCCCAACCACTGGAACTTC 762
QY 221 HisTrpIleTyrTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240
Db 763 CACTGGATCTACTGGTGGGGCCACTCTCTGGCTGGCTGCTGTTGTTGGACTGCTCTTAGG 822
QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
Db 823 TGCTTCATGGAGATGGGAAGACCCGCTCATCTCTGAAGGCTCGG 867
RESULT 6
US-10-216-408-16
; Sequence 16, Application US/10216408

Publication No. US20030013159A1
GENERAL INFORMATION:
APPLICANT: COHEN, MAURICE
COLPITTS, TRACEY L.
FRIEDMAN, PAULA N.
GRANADOS, EDWARD N.
KLASS, MICHAEL R.
RUSSELL, JOHN C.
STROUPE, STEVEN D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASE OF THE GASTROINTESTINAL
TRACT
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: Fast-Seq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/216,408
FILING DATE: 09-Aug-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/959,634
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6188.US.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 1314 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-10-216-408-16
Alignment Scores:
Pred. No.: 3.79e-144 Length: 1314
Score: 1324.00 Matches: 254
Percent Similarity: 99.61% Conservative: 0
Best Local Similarity: 99.61% Mismatches: 1
Query Match: 99.70% Indels: 0
DB: 14 Gaps: 0
US-09-864-711-15 (1-255) x US-10-216-408-16 (1-1314)
Qy 1 MetCysGluProGluPheGlyAsnAspIysAlaArgGluProSerValGlyArgTTP 20
Db 108 ATGTGTAGCTGTAATTTGGCAATGACAAAGCCAGGAGCGGCGTGGTGGCAGGTGG 167
Qy 21 ArgValSerTTPTrpGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
Db 168 CGAGTGTCCTGTACGACGCTTTGTGACGCCATGCTGTGCGACTGCTGGGCTTGCT 227
Qy 41 LeuPheLePheLeGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 228 CTCTTCATCTTTCATCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 287
Qy 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80

Db 288 CAGCCGGCCCTGGCCACGGCGCTGGCTTTGGGGCTCGTGAATGGACGCTGGGAATATC 347
Qy 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetIleuIleGlyLeuAsn 100
Db 348 AGTGTGGACACTTCACCCCTCGGTGTCCTGGCAGCATGCTGATCGAGGGCTCAAC 407
Qy 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyMetLeuGlyAlaAla 120
Db 408 CTGGTGATGCTCTCCCTACTGCGTCTCACAGCTGCTCGGGGGGATGCTCGGGGCTGCC 467
Qy 121 LeuAlaIysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
Db 468 TTGGCCAAAGGGCGTGAGTCCCTGAGGAGAGGTTCGGAATGCATCTGGGGCGGCTTTGTG 527
Qy 141 ThrValGlnGluGlnGlyValAlaGlyAlaLeuValAlaGluIleIleLeuThrThr 160
Db 528 ACAGTCCAGGAGCAGGGCGAGTGGCAGGGCGGTGTGTGGCAGAGATCATCTGACGACG 587
Qy 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAlaIleAsnGluIysThrIysGlyProLeuAla 180
Db 588 CTGCTGGCCCTGGCTGTATGCATGGGTGCCATCAATGAGAAGACAAAGGGCCCTTGCC 647
Qy 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
Db 648 CGTTCTCATCGGCTTTGGCGTCACTGGTGAATATCTGGCTGGGGGCCCTGTGTGTGGA 707
Qy 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsnPhe 220
Db 708 GGCTGCATGAATCCCGCCGCTGCTTTGGACCTGGGTGGTGGCAACCACTGGAACCTTC 767
Qy 221 HistTrpIleTyrTrpLeuGlyProLeuLeuAlaGlyLeuValGlyLeuLeuIleArg 240
Db 768 CACTGATCTACTGCTGGGGCCACTCTCTGGCTGGCTGCTGTGTGGACTGCTCATTAGG 827
Qy 241 CysPheIleGlyAspGlyIysThrArgLeuIleLeuIysAlaArg 255
Db 828 TGCTTCATTTGAGATGGGAGACCCGCTCATCTCGAAGSCTCG 872

RESULT 7

US-10-023-896-11
Sequence 11, Application US/10023896
Publication No. US2003002776A1
GENERAL INFORMATION:
APPLICANT: Victor Roschke
TITLE OF INVENTION: 29 Human Cancer Associated Proteins
FILE REFERENCE: PA004PL
CURRENT APPLICATION NUMBER: US/10/023,896
PRIOR FILING DATE: 2001-12-21
PRIOR APPLICATION NUMBER: unassigned
PRIOR FILING DATE: 2001-12-21
PRIOR APPLICATION NUMBER: PCT/US00/23794
PRIOR FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/152,296
PRIOR FILING DATE: 1999-09-03
PRIOR APPLICATION NUMBER: 60/158,003
PRIOR FILING DATE: 1999-10-06
NUMBER OF SEQ ID NOS: 138
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 11
LENGTH: 1388
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1388) (1388)
OTHER INFORMATION: n equals a,t,g, or c
US-10-023-896-11

Alignment Scores:
Pred. No.: 4.08e-144 Length: 1388
Score: 1324.00 Matches: 254
Percent Similarity: 100.00% Conservative: 1

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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 67
; LENGTH: 1410
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-864-711-15 (1-255) x US-10-023-896-11 (1-1388)

Best Local Similarity: 99.61% Mismatches: 0
Query Match: 99.70% Indels: 0
DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-023-896-11 (1-1388)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyGlyArgTrrp 20
DB 128 ATGTGTGAGCCTGAATTTGGCAATGACAGGCGCAGGAGCCGAGCGTGGTGGCAGGTGG 187
QY 21 ArgValSerTrrpTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
DB 188 CGAGTGTCTCTGTACGAAACGGTTTGTGAGACCAATGCTGTGTGCAACTCTCTGGCTCTGCT 247
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
DB 248 CTCTTCATCTTCATCGGTGGCTGTCTGGTCAATGAGAAATGGACGACACTGGGCTGTGTG 307
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
DB 308 CAGCGGCGCTGGCCACCGGCTGGCTTTGGGCTCGTGAATGGCCACCTGGGGAATATC 367
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsn 100
DB 368 AGTGGTGGACACTTCAACCTCGGTGTCTCGGTGGCAGCATGCTGATCGGAGGCTCAAC 427
QY 101 LeuValMetLeuLeuProTrrpTrrpValSerGlnLeuLeuGlyGlyMetLeuGlyAla 120
DB 428 CTGGTATGCTCTCCCGTACTGGGTCTCACAGCTGCTCGGGGGATGCTCGGGGCTGCC 487
QY 121 LeuAlaLeuAlaValSerProGluGluArgPheTrrpAsnAlaSerGlyAlaAlaPheVal 140
DB 488 TTGGCCACGCGGTGAGTCTCTGAGGAGAGGTTCTGGAATGCATCTGGGGGCGCTTTGTG 547
QY 141 ThrValGlnGlnGlnGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
DB 548 ACAGTCCAGGACGAGCGGCGAGGTGGCAGGGGCTTGGTGGCAGAGATCATCTCGACGACG 607
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLeuThrLysGlyProLeuAla 180
DB 608 CTGCTGGCCTGGCTGTATGTCATGGTGGTGCATCATGAGAGACAAAGGCGCTCTGCC 667
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
DB 668 CGCTTCTCCATCGCTTTGCCGTACCGTGGATATCTCGCTGGGGGCGCTGTGTCTGGA 727
QY 201 GlyCysMetAsnProAlaAlaGlyPheGlyProAlaValAlaAlaAsnHisTrrpAsnPhe 220
DB 728 GGCTGCATGAATCCCGCCGCTGCTTTGGACCTGGGTGGTGGCCAAACCATCTGGAACCTTC 787
QY 221 HistrrpIleTrrpTrrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuLeuArg 240
DB 788 CACTGGATCTACTGGCTGGGCGCACCTCTGGCTGGCTGTCTGTGGACTGCTCATTAGG 847
QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
DB 848 TGCTTTCATTGGAGATGGGAAGACCCGCTCATCTCTGAAGGCTCAG 892

RESULT 8
US-09-925-299-67
; Sequence 67, Application US/09925299
; Patent No. US20020055627A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 67
; LENGTH: 1410
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-299-67

Alignment Scores:
Pred. No.: 4,17e-144 Length: 1410
Score: 1324.00 Matches: 254
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 99.61% Mismatches: 0
Query Match: 99.70% Indels: 0
DB: 9 Gaps: 0

US-09-864-711-15 (1-255) x US-09-925-299-67 (1-1410)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyGlyArgTrrp 20
DB 119 ATGTGTGAGCCTGAATTTGGCAATGACAGGCGCAGGAGCCGAGCGTGGTGGCAGGTGG 178
QY 21 ArgValSerTrrpTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
DB 179 CGAGTGTCTCTGTACGAAACGGTTTGTGAGACCAATGCTGTGTGCAACTCTCTGGCTCTGCT 238
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
DB 239 CTCTTCATCTTCATCGGTGGCTGTCTGGTCAATGAGAAATGGACGACACTGGGCTGTGTG 298
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
DB 299 CAGCGGCGCTGGCCACCGGCTGGCTTTGGGCTCGTGAATGCATCTGGGGGCGCTTTGTG 358
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsn 100
DB 359 AGTGGTGGACACTTCAACCTCGGTGTCTCGGTGGCAGCATGCTGATCGAGGCTCAAC 418
QY 101 LeuValMetLeuLeuProTrrpTrrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
DB 419 CTGGTATGCTCTCTCCCGTACTGGGTCTCACAGCTGCTCGGGGGATGCTCGGGGCTGCC 478
QY 121 LeuAlaLeuAlaValSerProGluGluArgPheTrrpAsnAlaSerGlyAlaAlaPheVal 140
DB 479 TTGGCCACGCGGTGAGTCTCTGAGGAGAGGTTCTGGAATGCATCTGGGGGCGCTTTGTG 538
QY 141 ThrValGlnGlnGlnGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
DB 539 ACAGTCCAGGACGAGGCGAGGTGGCAGGGGCTTGGTGGCAGAGATCATCTCGACGACG 598
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLeuThrLysGlyProLeuAla 180
DB 599 CTGCTGGCCTGGCTGTATGTCATGGGTGCCATCAATGAGAAACAAAGGCGCTCTGGCC 658
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
DB 659 CGCTTCTCCATCGCTTTGCCGTACCGTGGATATCTCTGGCTGGGGGCGCTGTGTCTGGA 718
QY 201 GlyCysMetAsnProAlaAlaGlyPheGlyProAlaValAlaAlaAsnHisTrrpAsnPhe 220
DB 719 GGCTGCATGAATCCCGCCGCTGCTTTGGACCTGGGTGGTGGCCAAACCATCTGGAACCTTC 778
QY 221 HistrrpIleTrrpTrrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuLeuArg 240
DB 779 CACTGGATCTACTGGCTGGGCGCACCTCTGGCTGGCTGTCTGTGGACTGCTCATTAGG 838
QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
DB 839 TGCTTTCATTGGAGATGGGAAGACCCGCTCATCTCTGAAGGCTCAG 883

RESULT 9
US-09-925-299-67
; Sequence 67, Application US/09925299
; Publication No. US20030040617A9
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; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 67
; LENGTH: 1410
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-299-67

Alignment Scores:
Pred. No.: 4,17e-144 Length: 1410
Score: 1324.00 Matches: 254
Percent Similarity: 100.00% Conservatives: 1
Best Local Similarity: 99.61% Mismatches: 0
Query Match: 99.70% Indels: 0
DB: 10 Gaps: 0

US-09-864-711-15 (1-255) x US-09-925-299-67 (1-1410)
QY 1 MetCysGluProGluPheGlyAsnAspIysAlaArgGluProSerValGlyGlyArgTrrp 20
DB 119 ATGTGTGAGCCTGGAATTTGGCAATGACAGGCCAGGAGCGAGCGTGGTGGCAGGTGG 178
QY 21 ArgValSerTrpTyrGluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
DB 179 CGAGTGTCTCTGTAGCAACGGTTTGTGCAGCATCTCTGGTCCGACTCTGGGCTCTGCT 238
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
DB 239 CTCTTCATCTTTCATCGGTGCTCTGCGTCAATGAGATGGAGCGACACTGGGCTGTG 298
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
DB 299 CAGCCGGCCCTGGCCACCGGCTGCTTTGGGCTCTGATTCACCGCTGGGGAATATC 358
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuLeu 100
DB 359 AGTGTGTGAGCACTTCAACCTCGGTGCTCTGGCAGCGCATCTGATCGAGGCGCTCAAC 418
QY 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
DB 419 CTGGTGATCTCTCCCGTACTGCGTCTCAGAGTCTCGGCGGATGCTCGGGGCTGCC 478
QY 121 LeuAlaLeuAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
DB 479 TGGCCAGCGGCTGAGTCTGAGGAGGTTTGGAAATGCAATCTGGGCGGCTTTGTG 538
QY 141 ThrValGlnGluGlnGlyGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
DB 539 ACAGTCCAGGAGCAGGGGAGGTGGCAGGGGCTTGGTGGCAGAGATCATCTCCACGACG 598
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLeuThrLysGlyProLeuAla 180
DB 599 CTGCTGGCCCTGGCTGTATGATGGTGCCATCATGAGAGACANAGGGCCCTCTGGCC 658
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
DB 659 CCGTCTCTCATCGGCTTTGCCGTCACCGTGGATATCTCTGGTGGGGGCTGTGTCTGGA 718
QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValValAlaAsnHisTrpAsnPhe 220
DB 719 GCGTGCATGAATCCCGCCCGTCTTTGGACCTGCGGTGGTGGCCCAACCATCTGAACCTTC 778
QY 221 HisTrpIleTyrTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240
DB 779 CACTGATCTACTGGCTGGGCCACCTCTGGTGGCTCTTGTGGACTGCTCATAGG 838
QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
DB 839 TGGTTCATTGGAGATGGAGAGACCCCGCTCATCTCTGAAGGCTCAG 883

RESULT 10
US-10-023-896-40
; Sequence 40, Application US/10023896
; Publication No. US2003002776A1
; GENERAL INFORMATION:
; APPLICANT: Victor Roschke
; TITLE OF INVENTION: 29 Human Cancer Associated Proteins
; FILE REFERENCE: PA004PI
; CURRENT APPLICATION NUMBER: US/10/023,896
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: unassigned
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: PCT/US00/23794
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152,296
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/158,003
; PRIOR FILING DATE: 1999-10-06
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 40
; LENGTH: 1410
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-023-896-40

Alignment Scores:
Pred. No.: 4,17e-144 Length: 1410
Score: 1324.00 Matches: 254
Percent Similarity: 100.00% Conservatives: 1
Best Local Similarity: 99.61% Mismatches: 0
Query Match: 99.70% Indels: 0
DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-023-896-40 (1-1410)
QY 1 MetCysGluProGluPheGlyAsnAspIysAlaArgGluProSerValGlyGlyArgTrrp 20
DB 119 ATGTGTGAGCCTGGAATTTGGCAATGACAGGCCAGGAGCGAGCGTGGTGGCAGGTGG 178
QY 21 ArgValSerTrpTyrGluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
DB 179 CGAGTGTCTCTGTAGCAACGGTTTGTGCAGCATCTCTGGTCCGACTCTGGGCTCTGCT 238
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
DB 239 CTCTTCATCTTTCATCGGTGCTCTGCGTCAATGAGATGGAGCGACACTGGGCTGTG 298
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
DB 299 CAGCCGGCCCTGGCCACCGGCTGCTTTGGGCTCTGATTCACCGCTGGGGAATATC 358
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuLeu 100
DB 359 AGTGTGTGAGCACTTCAACCTCGGTGCTCTGGCAGCGCATCTGATCGAGGCGCTCAAC 418
QY 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
DB 419 CTGGTGATCTCTCCCGTACTGCGTCTCAGAGTCTCGGCGGATGCTCGGGGCTGCC 478
QY 121 LeuAlaLeuAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
DB 479 TGGCCAGCGGCTGAGTCTGAGGAGGTTTGGAAATGCAATCTGGGCGGCTTTGTG 538
QY 141 ThrValGlnGluGlnGlyGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
DB 539 ACAGTCCAGGAGCAGGGGAGGTGGCAGGGGCTTGGTGGCAGAGATCATCTCCACGACG 598
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLeuThrLysGlyProLeuAla 180
DB 599 CTGCTGGCCCTGGCTGTATGATGGTGCCATCATGAGAGACANAGGGCCCTCTGGCC 658
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
DB 659 CCGTCTCTCATCGGCTTTGCCGTCACCGTGGATATCTCTGGTGGGGGCTGTGTCTGGA 718
QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValValAlaAsnHisTrpAsnPhe 220
DB 719 GCGTGCATGAATCCCGCCCGTCTTTGGACCTGCGGTGGTGGCCCAACCATCTGAACCTTC 778
QY 221 HisTrpIleTyrTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240
DB 779 CACTGATCTACTGGCTGGGCCACCTCTGGTGGCTCTTGTGGACTGCTCATAGG 838
```

Db 539 ACAGTCCAGGACGAGGCGAGGTGGAGGGCGTTGGTGGCAGAGATCATCTCGACGACG 598
 QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLysThrLysGlyProLeuAla 180
 Db 599 CTGCTGGCCCTGGCTGTATGATGATGGTGCCATCATGAGAGACAAAGGGGCCCTCTGGCC 658
 QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
 Db 659 CGGTTCTCCATCGGCTTTGCCGTACCGCTGATATCTCTGGTGGGGGCCCTGTCTCGGA 718
 QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAsnHisTrpAsnPhe 220
 Db 719 GCGTCATGATGATCCCGCGTCTTTGGACCTGCGGTGGTGGCCACCATCGAATCTC 778
 QY 221 HistTrpIleTyrTrpLeuGlyProLeuAlaGlyLeuLeuValGlyLeuLeuArg 240
 Db 779 CACTGGATCTACTGGCTGGGCCCACTCTCTGGTGGCTGTCTGTGGACTGCTCATTAGG 838
 QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
 Db 839 TGCCTTCAITGGAGATGGGAGACCCGCTCATCTCGAAGGCTCAG 893

RESULT 11

US-10-106-698-245
 ; Sequence 245, Application US/10106698
 ; Publication No. US20030109690A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ruben et al.
 ; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
 ; FILE REFERENCE: PA005P1
 ; CURRENT APPLICATION NUMBER: US/10/106,698
 ; CURRENT FILING DATE: 2002-03-27
 ; PRIOR APPLICATION NUMBER: PCT/US00/26524
 ; PRIOR FILING DATE: 2000-09-28
 ; PRIOR APPLICATION NUMBER: US 60/157,137
 ; PRIOR FILING DATE: 1999-09-29
 ; PRIOR APPLICATION NUMBER: US 60/163,280
 ; PRIOR FILING DATE: 1999-11-03
 ; NUMBER OF SEQ ID NOS: 8564
 ; SOFTWARE: PatentIn Ver. 3.0
 ; SEQ ID NO 245
 ; LENGTH: 1410
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-106-698-245

Alignment Scores:
 Pred. No.: 4,17e-144 Length: 1410
 Score: 1324.00 Matches: 254
 Percent Similarity: 100.00% Conservative: 1
 Best Local Similarity: 99.61% Mismatches: 0
 Query Match: 99.70% Indels: 0
 DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-106-698-245 (1-1410)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyArgTrp 20
 Db 119 ATGTGTGAGCTGAATTTGGCAATGACAAGGCCAGGAGCGGCTGGTGGCAGGTGG 178
 QY 21 ArgValSerTrpTyrGluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
 Db 179 CGAGTGTCTCTGGTACGAAACGGTTTGGCAGCATGCTGTGGTGGTGGCTGTCTGCT 238
 QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
 Db 239 CTTCTTCATCTTCATCGGTGGCTGTGGTCAATGAGATGGACGACACATGGGGTGTG 298
 QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
 Db 299 CAGCCGGCCCTGGCCCGCAGCGGTGGCTTTGGGGCTGTGATTCGCCACGCTGGGGATATC 358
 QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAsn 100

Db 359 AGTGTGGACACATTCAACCCCTGGGTGTCCCTGGGCGAGCATGCTGATCGAGGCGCTCAAC 418
 QY 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
 Db 419 CTGGTGTATGCTCTCTCCCGTACTGGGTCTCAACAGCTGCTCGGGGGAGATGCTCGGGGCTGCC 478
 QY 121 LeuAlaLysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
 Db 479 TTGGCCNAGGCGGTGAGTCTCTGAGGAGAGAGTTCTTGGATGATCTTGGGGCGGCGCTTTGTG 538
 QY 141 ThrValGlnGlnGlnGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
 Db 539 ACAGTCCAGGACGAGGCGGAGGTGGCAGGGGCTTGGTGGCAGAGATCATCTCGACGACG 598
 QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLysThrLysGlyProLeuAla 180
 Db 599 CTGCTGGCCCTGGCTGTATGATGGTGCATCAATGAGAAGACAAAGGGGCCCTCTGGCC 658
 QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyProValSerGly 200
 Db 659 CGGTTCTCCATCGGCTTTGGCGTCCCGTGGATATCTCTGGCTGGGGGCCCTGTGTCTCGGA 718
 QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAsnHisTrpAsnPhe 220
 Db 719 GCGTCATGATGATCCCGCGTCTTTGGACCTGCGGTGGTGGCCACCATCGAATCTC 778
 QY 221 HistTrpIleTyrTrpLeuGlyProLeuAlaGlyLeuLeuValGlyLeuLeuArg 240
 Db 779 CACTGGATCTACTGGCTGGGCCCACTCTCTGGTGGCTGTCTGTGGACTGCTCATTAGG 838
 QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
 Db 839 TGCCTTCAITGGAGATGGGAGACCCGCTCATCTCGAAGGCTCAG 893

RESULT 12

US-10-106-698-1986
 ; Sequence 1986, Application US/10106698
 ; Publication No. US20030109690A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ruben et al.
 ; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
 ; FILE REFERENCE: PA005P1
 ; CURRENT APPLICATION NUMBER: US/10/106,698
 ; CURRENT FILING DATE: 2002-03-27
 ; PRIOR APPLICATION NUMBER: PCT/US00/26524
 ; PRIOR FILING DATE: 2000-09-28
 ; PRIOR APPLICATION NUMBER: US 60/157,137
 ; PRIOR FILING DATE: 1999-09-29
 ; PRIOR APPLICATION NUMBER: US 60/163,280
 ; PRIOR FILING DATE: 1999-11-03
 ; NUMBER OF SEQ ID NOS: 8564
 ; SOFTWARE: PatentIn Ver. 3.0
 ; SEQ ID NO 1986
 ; LENGTH: 1712
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; NAME/KEY: misc feature
 ; LOCATION: (1688)..(1688)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; NAME/KEY: misc feature
 ; LOCATION: (1692)..(1692)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; NAME/KEY: misc feature
 ; LOCATION: (1697)..(1697)
 ; OTHER INFORMATION: n equals a,t,g, or c
 US-10-106-698-1986

Alignment Scores:
 Pred. No.: 5,44e-144 Length: 1712
 Score: 1324.00 Matches: 254
 Percent Similarity: 100.00% Conservative: 1

Best Local Similarity: 99.61% Mismatches: 0
Query Match: 99.70% Indels: 0
DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-106-698-1986 (1-1712)

```
QY 1 MetCysGluProGluPheGlyAsnAspLysAlaAArgGluProSerValGlyArgTrrp 20
Db 396 ATGTGTGAGCCTGAATTGGCAATGCAAGGCCAGGAGCCGAGCGTGGGTGGAGGTGG 455
QY 21 ArgValSerTrrpTyrGluAArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
Db 456 CGAGTGTCTGTGTACGACGGTTTGGCAGCCATGCTGTGTGAACTGCTGGGCTCTGCT 515
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 516 CTTCTTCATCTTCATCGGCTGCTGTGCTGCTCAATGGAATGGAGCGACACTGGGCTGTGT 575
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
Db 576 CAGCGGGCCCTGGCCACCGGCTGGCTTTGGGGCTGCTGATGGCCAGCTGGGGATATC 635
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsn 100
Db 636 AGTGTGTGACACTTCAACCTCGGCTGCTGCTGGCAGCCATGCTGATCGAGGCTCAAC 695
QY 101 LeuValMetLeuLeuProTrrpTrrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
Db 696 CTGGTGATGCTCTCCCGTACCTGGGCTCACAGCTGCTGGGGGATGCTCGGGGCTGCC 755
QY 121 LeuAlaLeuAlaValSerProGluAArgPheTrrpAsnAlaSerGlyAlaAlaPheVal 140
Db 756 TTGGCCACGCGTGTGAGTCTTCAGAGAGGTTCTGGAATGCACTCTGGGGCGGCTTTGTG 815
QY 141 ThrValGlnGlnGlnGlyGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
Db 816 ACAGTCCAGAGCAGGGGAGTGGCAGGGGCTGGTGGCAGAGATCATCTGACGACG 875
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLysThrLysGlyProLeuAla 180
Db 876 CTGCTGGCCCTGGCTGTATGCTGGTGGTGCATCATGAGAGACAAAGGGCCCTTGGCC 935
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
Db 936 CGGTCTCTCATCGGCTTGGCTCACCGTGGATATCTCTGGCTGGGGGCTGTGTGTGA 995
QY 201 GlyCysMetAsnProAlaAArgAlaPheGlyProAlaValAlaAsnHisTrrpAsnPhe 220
Db 996 GGCTGATGAATCCCGCCGCTGCTTTGGACCTGGGTGGTGGCCCAACCACTGGAACCTC 1055
QY 221 HistripIleTrrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240
Db 1056 CACTGGATCTACTGGCTGGGCCCACTCTGGCTGGCCCTGCTGTGTGGACTGCTCATTAGG 1115
QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaAArg 255
Db 1116 TGTCTTCATGGAGATGGGAAGACCCGCTCATCTCTGAAGGCTCAG 1160
```

RESULT 13

US-10-158-646-49
Sequence 49, Application US/10158646
Publication No. US20030073105A1
GENERAL INFORMATION:
APPLICANT: Lasek, Amy K.W.
TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
FILE REFERENCE: PA-0030-1 US
CURRENT FILING DATE: 2002-05-29
PRIOR APPLICATION NUMBER: 60/295,239
NUMBER OF SEQ ID NOS: 78
SOFTWARE: PERL Program

SEQ ID NO 49
LENGTH: 1324
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. US20030073105A1 201901.4
US-10-158-646-49

Alignment Scores:

Pred. No.: 1-39e-141 Length: 1324
Score: 1302.00 Matches: 255
Percent Similarity: 99.22% Conservative: 0
Best Local Similarity: 99.22% Mismatches: 0
Query Match: 98.04% Indels: 2
DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-158-646-49 (1-1324)

```
QY 1 MetCysGluProGluPheGlyAsnAspLysAlaAArgGluProSerValGlyArgTrrp 20
Db 116 ATGTGTGAGCCTGAATTGGCAATGCAAGGCCAGGAGCCGAGCGTGGGTGGAGGTGG 175
QY 21 ArgValSerTrrpTyrGluAArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
Db 176 CGAGTGTCTGTGTACGACGGTTTGGCAGCCATGCTGTGTGAACTGCTGGGCTCTGCT 235
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 236 CTCTTCATCTTCATCGGCTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 295
QY 61 GlnProAla-LeuAla-HisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnI 80
Db 296 CAGCCGGCCCTGGCCCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 355
QY 80 IeserGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAla 100
Db 356 TCAGTGTGTGACACTTCAACCTCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 415
QY 100 snLeuValMetLeuLeuProTrrpTrrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
Db 416 ACCTGTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 475
QY 120 laLeuAlaLysAlaValSerProGluAArgPheTrrpAsnAlaSerGlyAlaAlaPheV 140
Db 476 CTTGTGCGCAAGCGGCTGAGTCTCTGAGGAGAGGTTCTGGAATGCACTCTGGGGCGGCTTTG 535
QY 140 alThrValGlnGlnGlnGlnValAlaGlyAlaLeuValAlaGluIleLeuLeuThr 160
Db 536 TGACAGTCCAGAGCAGGGGCGAGTGGCAGGGGCTTGGTGGCAGAGATCATCTCTGACGA 595
QY 160 hrLeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLysThrLysGlyProLeuAla 180
Db 596 CGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 655
QY 180 laProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerG 200
Db 656 CCGCGTTCCTCATCGGCTTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 715
QY 200 lyGlyCysMetAsnProAlaAArgAlaPheGlyProAlaValAlaAlaHisTrrpAsnP 220
Db 716 GAGGCTGCATGAATCCCGCCGCTGCTTTTGGACCTGGCGGTGGTGGCCAAACCACTGGAAC 775
QY 220 heHistripIleTrrpTrrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleA 240
Db 776 TCCACTGGATCTACTGGCTGGGCCCACTCTCTGGCTGGGCTGCTGCTGCTGCTGCTGCTGCT 835
QY 240 rgCysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaAArg 255
Db 836 GGTGTCTTCATTTGGAGATGGGAAGACCCGCTCATCTCTGAAGGCTCGG 882
```

RESULT 14

US-09-803-719-2361

Sequence 2361, Application US/09803719
Publication No. US20030044783A1
GENERAL INFORMATION:
APPLICANT: Williams, Lewis T.
APPLICANT: Escobedo, Jaime
APPLICANT: Innis, Michael A.
APPLICANT: Garcia, Pablo Dominiguez
APPLICANT: Sudduth-Klinger, Julie
APPLICANT: Reinhard, Christoph
APPLICANT: Giese, Klaus
APPLICANT: Randazzo, Filippo
APPLICANT: Kennedy, Giulia C.
APPLICANT: Pot, David
APPLICANT: Kassam, Altaf
APPLICANT: Lamson, George
APPLICANT: Drmanac, Radoje
APPLICANT: Crkvenjakov, Radomir
APPLICANT: Dickson, Mark
APPLICANT: Labat, Ivan
APPLICANT: Leshkowitz, Den
APPLICANT: Kita, David
APPLICANT: Jones, Lee William
APPLICANT: Garcia, Veronica
APPLICANT: Stache-Crain, Birgit
TITLE OF INVENTION: Human Genes and Gene Products
FILE REFERENCE: 1624.002
CURRENT APPLICATION NUMBER: US/09/803,719
CURRENT FILING DATE: 2001-03-09
PRIOR APPLICATION NUMBER: 60/188,609
PRIOR FILING DATE: 2000-03-09
NUMBER OF SEQ ID NOS: 2396
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2361
LENGTH: 318
TYPE: DNA
ORGANISM: Homo sapiens
US-09-803-719-2361

Alignment Scores:
Pred. No.: 6,75e-52 Length: 318
Score: 524.00 Matches: 103
Percent Similarity: 98.10% Conservative: 0
Best Local Similarity: 98.10% Mismatches: 2
Query Match: 39.46% Indels: 0
DB: 10 Gaps: 0

US-09-864-711-15 (1-255) x US-09-803-719-2361 (1-318)

QY	116	MetLeuGlyAlaAlaLeuAlaValSerProGluGluArgPheTrpAsnAlaSer	135
Db	2	ATGCTCGGGGCTGCTTGCCCAAGCGGTGAGTCTGAGGAGAGGTTCTGGAATGCATCT	61
QY	136	GlyAlaAlaPheValThrValGlnGlnGlnGlnGlnValAlaGlyAlaLeuValAlaGlu	155
Db	62	GGGGGGGGCTTTGTGACATGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	121
QY	156	IleIleLeuThrThrLeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLysThr	175
Db	122	ATCATCTTGACACACTGCTGCGCTGCTGATGATGATGATGATGATGATGATGATGAT	181
QY	176	LysGlyProLeuAlaProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGly	195
Db	182	AAGGGCCCTCTGCGCCCGCTTCTCCATCGGCTTTGCGCTGCGGAGATATCTCGCTGGG	241
QY	196	GlyProValSerGlyGlyCysMetAsnProAlaArgAlaPheGlyProAlaValAla	215
Db	242	GGCCCTGTGTCTGGAGGCTGATGATGATGATGATGATGATGATGATGATGATGATGAT	301
QY	216	AsnHisTrpAsnPhe	220
Db	302	AACCACTGGAACCTTT	316

RESULT 15

US-09-803-719-2362
Sequence 2362, Application US/09803719
Publication No. US20030044783A1
GENERAL INFORMATION:
APPLICANT: Williams, Lewis T.
APPLICANT: Escobedo, Jaime
APPLICANT: Innis, Michael A.
APPLICANT: Garcia, Pablo Dominiguez
APPLICANT: Sudduth-Klinger, Julie
APPLICANT: Reinhard, Christoph
APPLICANT: Giese, Klaus
APPLICANT: Randazzo, Filippo
APPLICANT: Kennedy, Giulia C.
APPLICANT: Pot, David
APPLICANT: Kassam, Altaf
APPLICANT: Lamson, George
APPLICANT: Drmanac, Radoje
APPLICANT: Crkvenjakov, Radomir
APPLICANT: Dickson, Mark
APPLICANT: Labat, Ivan
APPLICANT: Leshkowitz, Den
APPLICANT: Kita, David
APPLICANT: Jones, Lee William
APPLICANT: Garcia, Veronica
APPLICANT: Stache-Crain, Birgit
TITLE OF INVENTION: Human Genes and Gene Products
FILE REFERENCE: 1624.002
CURRENT APPLICATION NUMBER: US/09/803,719
CURRENT FILING DATE: 2001-03-09
PRIOR APPLICATION NUMBER: 60/188,609
PRIOR FILING DATE: 2000-03-09
NUMBER OF SEQ ID NOS: 2396
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2362
LENGTH: 321
TYPE: DNA
ORGANISM: Homo sapiens
US-09-803-719-2362

Alignment Scores:
Pred. No.: 3,25e-49 Length: 321
Score: 501.00 Matches: 104
Percent Similarity: 97.20% Conservative: 0
Best Local Similarity: 97.20% Mismatches: 3
Query Match: 37.73% Indels: 1
DB: 10 Gaps: 0

US-09-864-711-15 (1-255) x US-09-803-719-2362 (1-321)

QY	30	GlnProCysLeuValGluLeuLeuGlySerAlaLeuPheIlePheIleGlyCysLeuSer	49
Db	1	CAGCCATGCTGTGCGAATCTGCTGGGCTCTGCTCTCTTCATCTTCATCGGCTGCTGTCG	60
QY	50	ValIleGluAsnGlyThrAspThrGlyLeuLeuGlnProAlaLeuAlaHisGlyLeuAla	69
Db	61	GTATCAG-AATGGAGCGACACTGCGCTGCTGACAGCGCCCTGGCCACGCGCTGGCT	119
QY	70	LeuGlyLeuValIleAlaThrLeuGlyValAsnIleSerGlyGlyHisPheAsnProAlaVal	89
Db	120	TTGGGGCTCGTGTGATTCACACGCTGGGGATATCATGCTGGTGGACACTTCAACCTGGGTCG	179
QY	90	SerLeuAlaAlaMetLeuIleGlyLeuAsnLeuValMetLeuLeuProTyrTrpVal	109
Db	180	TCCCTGGCAGCCATGCTGATCGAGGCTCAACCTGGTGGATGCTCTCCCGTACTGGGTC	239
QY	110	SerGlnLeuLeuGlyGlyMetLeuGlyAlaAlaLeuAlaValSerProGluGlu	129
Db	240	TCACAGCTCTCGGGGGATGCTCGGGGCTGCTTTGGCCAGGCGGTGAGTCTTGAGGAG	299
QY	130	ArgPheTrpAsnAlaSerGly	136

Db 300 AGGCTCTGGATGCACTCTGGG 320

Search completed: February 18, 2004, 21:50:35
Job time : 270.804 secs